

cable glands

PRODUCT CATALOGUE



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Cable Glands Uk Limited
Unit 17, Premier Park, Acheson Way, Trafford Park, Manchester. M17 1GA
Company registration number: 03963792
Registered in England and Wales.

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section I

introduction

Welcome to Cable Glands UK, a flourishing independent Limited company whose headquarters are based at Trafford Park in Manchester.

Cable Glands UK is both a manufacturer and distributor of Electrical Components for the Hazardous Area, Commercial and Industrial markets.

The management team of Cable Glands UK is headed up by Managing Director Andrew Leach and Mike Denwood who have over fifty years industry experience under their belt and are supported by highly motivated and dedicated individuals who pride themselves in providing their clients with exceptional service, extensive knowledge, impeccable sourcing and comprehensive back up.

This complete and caring approach to business is enhanced by the company's already impressive, substantial and enviable customer base supplying market leaders in sectors such as electrical wholesale, distribution and OEM's.

As a leading UK and overseas supplier of cable glands, cleats and fixings to an ever evolving electrical installation market you can rely on Cable Glands UK to provide the right, 'first time' solution to each and every individual demand, requirement and application.

Cable Glands UK are here to offer you expertise in the supply of cable glands, cable supports and fixings, for use in either hazardous area or Industrial applications.

Being in a specialized industry, Cable Glands UK, offers an extensive range of products manufactured either in house or by renowned companies such as Prysmian (formerly BICC), Hawke, Thomas & Betts, ISP, Ellis Patents, Furse, Peppers, Cooper Industries, SIB, Schlemmer, Scame, Acelshop, CP Electronics, Klauke and CMP.

Therefore, by supplying the aforementioned products, the customer, along with Cable Glands UK can be assured that they are of the highest quality. No other supplier can match our breadth of knowledge and expertise in power cable installation applications.

Cable will always require glanding, joining and fixing, you know where to find the best and most cost effective solution: Cable Glands UK.

We offer next day delivery and free carriage on orders of £100.00 and over to the UK Mainland.

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section 2

industrial cable glands

industrial cable glands

BW BRASS GLAND KIT

Indoor type for SWA cable BW - Series.

Brass indoor gland and accessories for galvanized-steel single-wire armour plastic or rubber sheathed cables.

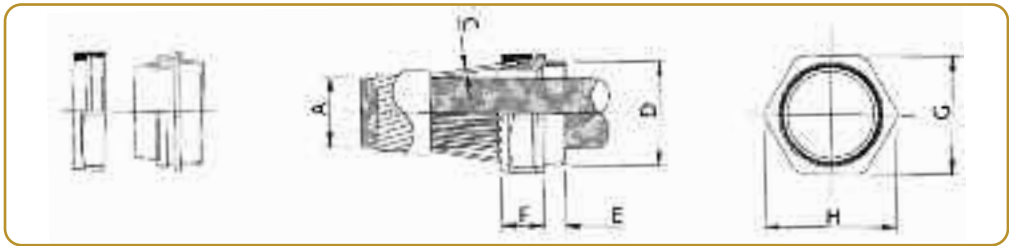
For use in dry, dust free situations, it provides mechanical cable retention and electrical continuity via armour locking mechanism.

Kit comprises: BW Gland, Brass earth tag, Zinc plated steel locknut, PVC shroud
2 per kit up to and including 25mm size

Compliance: to BS6121-1

CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance

Operating temperature range: -20°C to +90°C



cable dimensions mm		kit reference			gland dimensions mm				
under armour diameter A max	armour wire diameter C	size	cat no	items per kit	entry thread size D	approx. length from shoulder E	approx. length from shoulder F	hexagon size across flats G	hexagon size across corners H
11.6	0.9	20S	BW20SK	2	M20x1.5	10	24	22.0	24.9
13.9	0.9/1.25	20	BW20K	2	M20x1.5	10	25	27.0	30.5
19.9	1.25/1.6	25	BW25K	2	M25x1.5	10	26	37.6	42.2
26.2	1.6/2.0	32	BW32K	1	M32x1.5	10	28	47.3	53.6
32.1	1.6/2.0	40	BW40K	1	M40x1.5	15	25	50.0	57.0
44.0	2.0/2.5	50	BW50K	1	M50x1.5	15	36	70.1	77.2
55.9	2.5	63	BW63K	1	M63x1.5	15	30	80.0	87.4
61.9	2.5	75S	BW75SK	1	M75x1.5	15	40	85.0	95.0
67.9	2.5	75	BW75K	1	M75x1.5	15	40	98.8	109.2

industrial cable glands

CW BRASS GLAND KIT

CW-K - Series indoor/outdoor type for SWA cable.

Brass indoor and outdoor cable gland and accessories for circular, galvanized-steel single-wire-armour plastic or rubber sheathed cables.

Outer seal grips sheath of cable.

For use in most climatic conditions, weatherproof and waterproof with a three part armour lock with separate armour locking ring, ideal for checking electrical continuity.

Kit comprises: CW Gland, Brass earth tag, Zinc plated steel locknut, PVC stroud 2 per kit up and including 25mm size

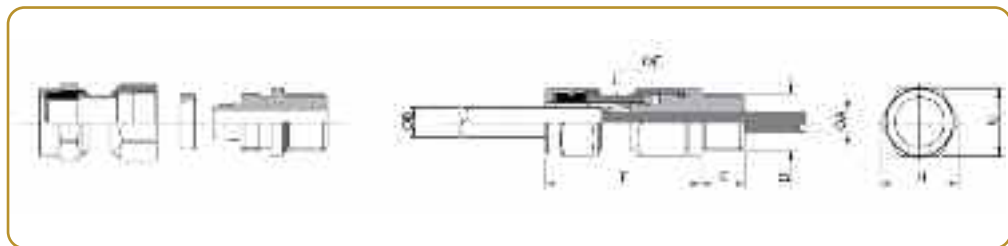
Material: CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance

Compliance: EN 50262

BS6121:Pt 1:1989

Gland rated to: IP66 with use of suitable sealing washer or thread sealant at gland interface

Operating temperature range: -20°C to +90°C



cable dimensions mm				kit reference			gland dimensions mm				
under armour diameter A	overall diameter B		armour wire diameter C	size	cat no	items per kit	entry thread size D	length E	approx. length from shoulder F	hexagon size across flats G	hexagon size across corners H
max	min	max									
8.6	8.0	13.2	0.9	20SS	CW20SSK	2	M20x1.5	10	44	23.4	26.7
11.6	8.0	15.8	0.9	20S	CW20SK	2	M20x1.5	10	46	25.7	29.2
13.9	11.7	20.8	0.9/1.25	20	CW20K	2	M20x1.5	10	46	30.5	34.0
19.9	17.0	27.2	1.25/1.6	25	CW25K	2	M25x1.5	10	51	37.6	42.2
26.2	23.5	33.5	1.6/2.0	32	CW32K	1	M32x1.5	10	56	47.3	53.6
32.1	29.0	39.9	1.6/2.0	40	CW40K	1	M40x1.5	15	59	56.4	61.5
38.1	38.0	46.2	2.0/2.5	50S	CW50SK	1	M50x1.5	15	64	65.5	72.1
44.0	39.5	52.6	2.0/2.5	50	CW50K	1	M50x1.5	15	64	70.1	77.2
55.9	51.3	65.3	2.5	63	CW63K	1	M63x1.5	15	67	80.0	87.4
67.9	62.5	78.0	2.5	75	CW75K	1	M75x1.5	15	76	98.8	109.2
74.0	68.0	88.0	3.15	85	CW85K	1	M85x2	20	110	115.0	126.0

industrial cable glands

CW ALUMINIUM GLAND KIT 422AL SERIES

Indoor/outdoor type for aluminium wire armoured cable.
Aluminium indoor and outdoor cable gland and accessories, outer seal grips sheath of cable.

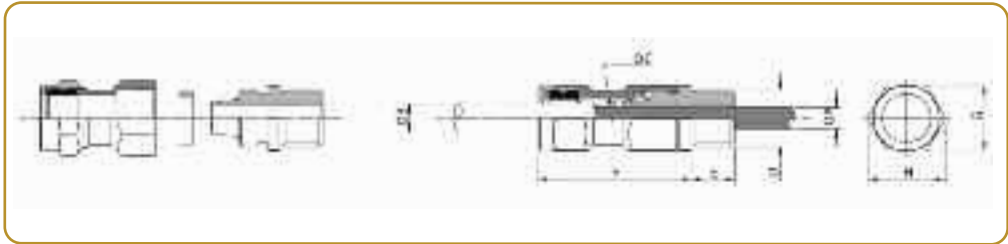
For use in most climatic conditions, weatherproof and waterproof, it has a three part armour lock with separate armour locking ring, ideal for checking electrical continuity.

Kit comprises: CW Aluminium Gland, Aluminium earth tag, Aluminium locknut, PCP shroud. 2 per kit up to and including 25mm size
Material: 6082 extruded aluminium alloy used for guaranteed strength and performance
Compliance: EN 50262

BS6121:pt 1:1989

Gland rated to: IP66 with use of suitable sealing washer or thread sealant at gland interface

Operating temperature range: -20°C to +90°C



cable dimensions mm				kit reference			gland dimensions mm				
under armour diameter A	overall diameter B		armour wire diameter C	size	cat no	items per kit	entry thread size D	length E	approx. length from shoulder F	hexagon size across flats G	hexagon size across corners H
max	min	max									
13.9	11.7	20.8	0.9/1.25	20	422AL53	2	M20x1.5	10	46	30.5	34.0
19.9	17.0	27.2	1.25/1.6	25	422AL55	2	M25x1.5	10	51	37.6	42.2
26.2	23.5	33.5	1.6/2.0	32	422AL56	1	M32x1.5	10	56	47.3	53.6
32.1	29.0	39.9	1.6/2.0	40	422AL57	1	M40x1.5	15	59	56.4	61.5
38.1	38.0	46.2	2.0/2.5	50S	422AL58	1	M50x1.5	15	64	65.5	72.1
44.0	39.5	52.6	2.0/2.5	50	422AL59	1	M50x1.5	15	64	70.1	77.2
55.9	51.3	65.3	2.5	63	422AL61	1	M63x1.5	15	67	80.0	87.4
67.9	62.5	78.0	2.5	75	422AL63	1	M75x1.5	15	76	98.8	109.2

industrial cable glands

EIW BRASS GLAND KIT

EIW K - Series indoor/outdoor type for SWA cable.

Brass indoor/outdoor cable gland and accessories for circular, galvanized-steel single-wire-armour plastic or rubber sheathed cables with extruded bedding.

Outer seal grips sheath of cable, inner seal grips bedding layer of cable.

Three part armour lock with separate armour locking ring, ideal for checking electrical continuity.

Kit comprises: EIW Gland, Brass earth tag, Zinc plated steel locknut, PVC shroud
2 per kit up to and including 25mm size.

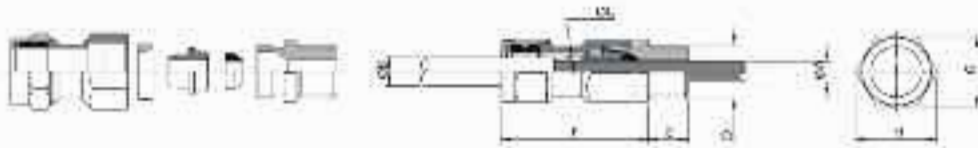
Material: CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance
Compliance: EN50262

BS6121:Pt 1:1989

Gland rated to: IP66 with use of suitable sealing washer or thread sealant at gland interface

Inner and outer seal rated to IP66

Operating temperature range: -20°C to +90°C



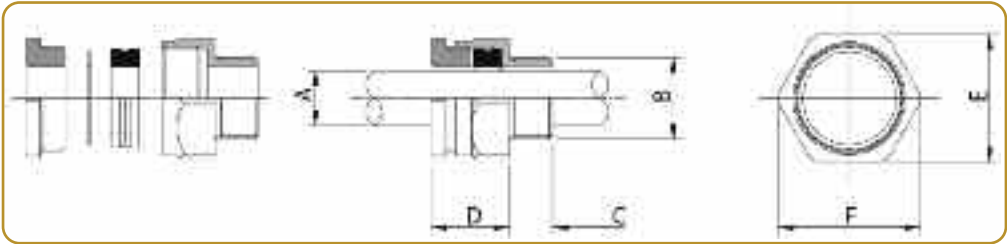
cable dimensions mm					kit reference			gland dimensions mm				
under armour diameter A		overall diameter B		armour wire diameter C	size	cat no	items per kit	entry thread		approx. length from shoulder F	hexagon size	
min	max	min	max					size D	length E		across flats G	across corners H
6.3	8.6	8.0	13.2	0.9	20SS	EIW20SSK	2	M20x1.5	15	44	23.4	26.7
8.7	11.6	8.0	15.8	0.9/1.25	20S	EIW20SK	2	M20x1.5	15	46	25.7	29.2
11.7	13.9	11.7	20.8	0.9/1.25	20	EIW20K	2	M20x1.5	15	46	30.5	34.0
13.0	19.9	17.0	27.2	1.25/1.6	25	EIW25K	2	M25x1.5	15	51	37.6	42.2
20.0	26.2	23.5	33.5	1.6/2.0	32	EIW32K	1	M32x1.5	15	56	47.3	53.6
26.3	32.1	29.0	39.9	1.6/2.0	40	EIW40K	1	M40x1.5	15	59	56.4	61.5
32.2	38.1	38.0	46.2	2.0/2.5	50S	EIW50SK	1	M50x1.5	15	64	60.0	66.0
38.2	44.0	39.5	52.6	2.0/2.5	50	EIW50K	1	M50x1.5	15	64	70.1	77.2
44.1	50.0	50.0	58.9	2.5	63S	EIW63SK	1	M63x1.5	15	67	75.0	83.0
50.1	55.9	51.3	65.3	2.5	63	EIW63K	1	M63x1.5	15	67	80.0	87.4
56.0	61.9	62.0	71.6	2.5	75S	EIW75S	1	M75x1.5	15	76	90.2	99.1
62.0	67.9	62.5	78.0	2.5	75	EIW75K	1	M75x1.5	15	76	98.8	109.2

industrial cable glands

A1/A2 BRASS GLAND KIT

KM409 - Series indoor/outdoor for Unarmoured Cable.
Brass indoor and outdoor cable gland and accessories for circular, unarmoured plastic or rubber sheathed cables.
Suitable for most climatic conditions, weatherproof and waterproof.

Kit comprises: A1/A2 Gland, Brass locknut, PVC shroud
2 per kit size up to and including 25mm
Material: CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance
Compliance: EN 50262
BS6121:Pt 1:1989
Gland rated to: IP66 with use of suitable sealing washer or thread sealant at gland interface
Operating temperature range: -20°C to +90°C



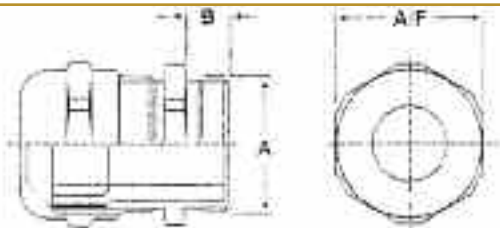
cable dimensions mm		kit reference			gland dimensions mm				
overall diameter A		size	cat no	items per kit	entry thread size B	approx. length C	approx. length from shoulder D	hexagon size across flats E	hexagon size across corners F
min	max								
3.5	8.5	20SS	KM409-71	2	M20x1.5	10	20	22.0	24.9
8.0	11.5	20S	KM409-52	2	M20x1.5	10	22	22.0	24.9
11.0	13.5	20	KM409-53	2	M20x1.5	10	22	24.0	26.8
13.0	19.5	25	KM409-55	2	M25x1.5	10	25	30.5	34.0
19.0	25.5	32	KM409-56	1	M32x1.5	10	25	42.4	48.0
25.0	32.0	40	KM409-57	1	M40x1.5	15	33	47.2	53.6
31.5	37.0	50S	KM409-58	1	M50x1.5	15	30	55.0	60.0
36.5	43.0	50	KM409-59	1	M50x1.5	15	30	56.4	61.5
42.5	50.0	63S	KM409-60	1	M63x1.5	15	34	70.1	77.2
49.5	55.0	63	KM409-61	1	M63x1.5	15	32	75.0	83.0
54.5	61.0	75S	KM409-62	1	M75x1.5	15	32	80.0	87.4
60.5	67.0	75	KM409-63	1	M75x1.5	15	40	85.0	95.0

industrial cable glands

TRS CABLE GLAND

Recommended for use with Braided, Co-axial or SWA cables.
A rubber seal compresses on tightening to provide a tight fit against cable.

size		dimensions				cat no
gland Size	shroud Size	A	B	C	D	
20S	S20S	20	8	21.5	8	ATRS-20S
25	S25S	25	12	27	10	ATRS-25
32	S25L	-	32	-	-	ATRS-32



CABLE GLAND CXT

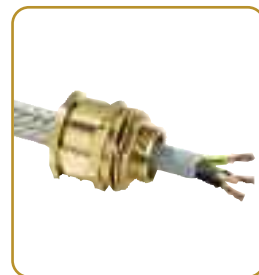
CXT Brass cable glands are suitable for use with all types of screened flexible wiring braid / wire braid armour cables.

The glands provide mechanical cable retention and electrical continuity.
Unique integral clamping of teased braids.

Material: Brass

Compliance: BS6121 Part 1

Gland rated to: IP66 (Ingress Protection - dust tight, with a vacuum applied to the product, protected against powerful water jets)



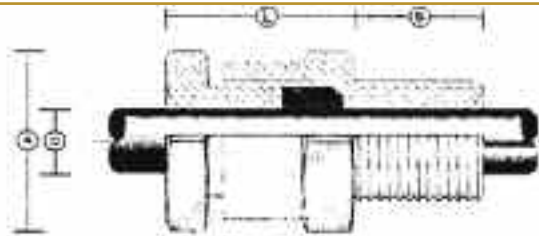
gland size	dimensions mm				
	metric entry thread	minimum thread length	outer sheath diameter min	outer sheath diameter max	across corners diameter max
20SS	20	15	3.0	8.6	24.4
20S	20	15	7.0	11.6	26.5
20	20	15	10.5	13.8	30.0
25	25	15	12.5	19.8	39.9
32	32	15	18.5	26.3	45.5
40	40	15	25.0	32.1	55.4
50S	50	15	30.5	38.1	61.0
50	50	15	36.5	44.0	66.5

industrial cable glands

CABLE GLAND TYPE A (Single Compression for any Cable)

"A" type glands commonly referred to as "stuffing glands" provide a controlled pull resistant environmental displacement seal on the cable outer sheath, minimising damage to cables that exhibit "cold flow" characteristics. The gland maintains IP66 and IP68 to 35 metres and is deluge proof without the use of an additional seal or deluge boot. Options are available for use with LSOH cables and extreme temperature applications.

Materials: Brass, Stainless Steel, Aluminium
Plating: Nickel, Zinc
Compliance: EN 50262, BS6121 and IEC 60529
Gland rated to: IP66 and IP68 (35 metres - 7 days)
Operating temperature range: -30°C to +105°C for Neoprene Seals, -70°C to +200°C for Silicone Seals



thread				cable acceptance details mm			gland dimensions mm			
gland size	metric	NPT	thread length B	outer sheath D		nominal protrusion length L	across flats	across corners A	weight kgs	shroud size
				min	max					
16	M20x1.5	1/2" or 3/4"	16	4.0	8.4	33	25.4	28.0	0.078	L24
20S	M20x1.5	1/2" or 3/4"	16	7.2	11.7	33	25.4	28.0	0.101	L24
20	M20x1.5	1/2" or 3/4"	16	9.4	14.0	33	30.0	33.0	0.127	L30
25	M25x1.5	3/4" or 1"	16	13.5	20.0	33	37.6	41.4	0.166	L38
32	M32x1.5	1" or 1 1/4"	16	19.5	26.3	33	46.0	50.6	0.244	L46
40	M40x1.5	1 1/4" or 1 1/2"	16	23.0	32.2	37	55.0	60.5	0.396	L55
50S	M50x1.5	1 1/2" or 2"	16	28.1	38.2	37	65.0	71.5	0.558	L65
50	M50x1.5	2"	16	33.1	44.1	37	65.0	71.5	0.438	L65
63S	M63x1.5	2" or 2 1/2"	19	39.2	50.1	37	80.0	88.0	0.832	L80
63	M63x1.5	2 1/2"	19	46.7	56.0	37	80.0	88.0	0.664	L80
75S	M75x1.5	2 1/2" or 3"	19	52.1	62.0	37	90.0	99.0	0.924	L90
75	M75x1.5	3"	19	58.0	68.0	37	90.0	99.0	0.714	L90
80	M80x2	3 or 3 1/2"	25	62.2	72.0	50	104.0	115.2	1.514	L104
85	M85x2	3 or 3 1/2"	25	69.0	78.0	50	104.0	115.2	1.332	L104
90	M90x2	3 1/2" or 4"	25	74.0	84.0	50	114.0	125.7	1.622	L114
100	M100x2	3 1/2" or 4"	25	82.0	90.0	50	114.0	125.7	1.523	L114
110	M110x2	-	25	87.0	102.0	88	135.0	148.0	2.550	n/a
120	M120x2	-	25	97.0	112.0	88	145.0	159.0	3.200	n/a
130	M130x2	-	25	107.0	122.0	88	155.0	170.0	4.750	n/a

industrial cable glands

CABLE GLAND TYPE C (Single Compression for Armoured Cables)

"C" type glands compression glands are suitable for cables that exhibit "cold flow" characteristics, whilst providing an IP66 environmental seal on the cable outer sheath and a detachable armour specific clamping system for wire (W), braid (X), or tape (Z) armoured cables.

The "IE" version allows the gland to be used with HV cables where the fault load is greater than 10.4kA and options are available for use with LSOH cables and extreme temperature applications.

Aluminium versions comply with UK Highway Agency Specifications. Brass versions to UK Highway Agency Specification available upon request.

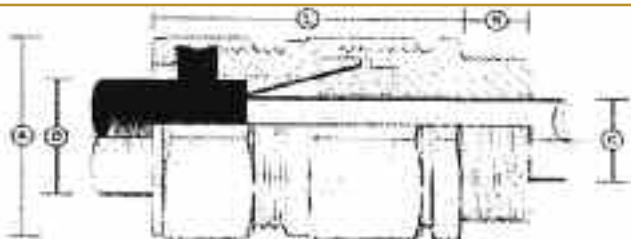
Materials: Brass, Stainless Steel, Aluminium

Plating: Nickel, Zinc

Compliance: EN 50262, BS6121 and IEC 60529

Gland rated to: IP66

Operating temperature range: -30°C to +105°C for Neoprene Seals, -70°C to +200°C for Silicone Seals



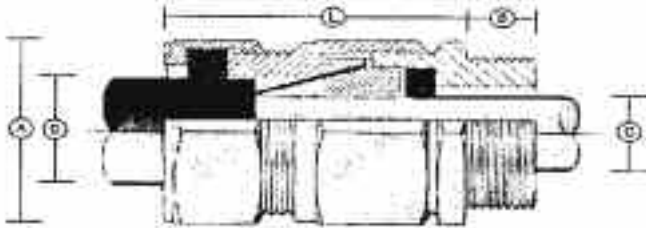
gland & thread size				cable acceptance details mm					armour acceptance range		L	gland dimensions mm				
gland size	entry metric	thread size NPT	ISO thread B	inner sheath C max	outer sheath D min	outer sheath D max	reduced D min	reduced D max	W	XZ	nom. prot. length	across flats	across corner	weight kgs	shroud size	
16	M20 x 1.5	1/2" or 3/4"	16	8.4	8.4	13.5	4.9	10.3	0.9	0.15-0.35	60	24.0	26.5	0.139	L24	
20S	M20 x 1.5	1/2" or 3/4"	16	11.7	12.9	16.0	9.4	12.5	0.9-1.25	0.15-0.50	60	24.0	26.5	0.125	L24	
20	M20 x 1.5	1/2" or 3/4"	16	14.0	15.5	21.1	12.0	17.6	0.9-1.25	0.15-0.50	60	30.0	33.0	0.180	L30	
25	M25 x 1.5	3/4" or 1"	16	20.0	20.3	27.4	16.8	23.9	1.25-1.6	0.15-0.50	60	38.0	41.4	0.252	L38	
32	M32 x 1.5	1" or 1 1/4"	16	26.3	26.7	34.0	23.2	30.5	1.6-2.0	0.15-0.55	65	46.0	50.6	0.408	L46	
40	M40 x 1.5	1 1/4" or 1 1/2"	16	32.2	33.0	40.6	28.6	36.2	1.6-2.0	0.20-0.60	75	55.0	60.5	0.642	L55	
50S	M50 x 1.5	1 1/2" or 2"	16	38.2	39.4	46.7	34.8	42.4	2.0-2.5	0.20-0.60	75	65.0	71.5	0.947	L65	
50	M50 x 1.5	2"	16	44.1	45.7	53.2	41.1	48.5	2.0-2.5	0.30-0.80	75	65.0	71.5	0.716	L65	
63S	M63 x 1.5	2" or 2 1/2"	19	50.1	52.1	59.5	47.5	54.8	2.5	0.30-0.80	75	80.0	88.0	1.377	L80	
63	M63 x 1.5	2 1/2"	19	56.0	58.4	65.8	53.8	61.2	2.5	0.30-0.80	75	80.0	88.0	1.073	L80	
75S	M75 x 1.5	2 1/2" or 3"	19	62.0	64.8	72.2	60.2	68.0	2.5	0.30-1.0	85	90.0	99.0	1.661	L90	
75	M75 x 1.5	3"	19	68.0	71.1	78.0	66.5	73.4	2.5	0.30-1.0	85	90.0	99.0	1.322	L90	
80	M80 x 2	3 or 3 1/2"	25	72.0	69.0	84.0	71.9	79.4	3.15	0.45-1.0	110	104.0	115.2	2.874	L104	
80H	M80 x 2	3 or 3 1/2"	25	72.0	79.6	90.0	75.0	85.4	3.15	0.45-1.0	110	104.0	115.2	2.874	L104	
85	M85 x 2	3 or 3 1/2"	25	78.0	79.6	90.0	75.0	85.4	3.15	0.45-1.0	110	104.0	115.2	2.515	L104	
90	M90 x 2	3 1/2" or 4"	25	84.0	88.0	96.0	82.0	91.4	3.15	0.45-1.0	110	114.0	125.7	3.117	L114	
90H	M90 x 2	3 1/2" or 4"	25	84.0	92.0	102.0	87.4	97.4	3.15	0.45-1.0	110	114.0	125.7	3.117	L114	
100	M100 x 2	3 1/2" or 4"	25	90.0	92.0	102.0	87.4	97.4	3.15	0.45-1.0	110	114.0	125.7	2.707	L114	
110	M110 x 2	-	25	102.0	100.0	117.0	-	-	3.15	0.45-1.0	170	135.0	148.0	4.190	n/a	
120	M120 x 2	-	25	112.0	110.0	127.0	-	-	3.15	0.45-1.0	170	145.0	159.0	5.750	n/a	
130	M130 x 2	-	25	122.0	120.0	137.0	-	-	3.15	0.45-1.0	170	155.0	170.0	6.900	n/a	

industrial cable glands

BRASS CABLE GLAND - Type E

“E” type double compression glands provide a controlled IP seal on the cable inner sheath, an environmental seal on the outer sheath and a detachable armour specific clamping system for wire (W), braid (X) or tape (Z) armoured cables. The gland has been tested to IP66 and IP68 to 35 metres. The “IE” version allows the gland to be used with HV cables where the fault load is greater than 10.4kA and options are available for use with lead sheath, LSOH cables and extreme temperature applications.

Materials: Brass or Stainless Steel or Aluminium
Plating: Nickel-Zinc
Compliance: EN 50262, BS6121 and IEC 60529
Gland rated to: IP66 and IP68 (35 metres - 7 days)
Operating temperature range: -30°C to +105°C for Neoprene Seals, -70°C to +200°C for Silicone Seals



gland & thread size				cable acceptance details						armour acceptance range		L	gland dimensions mm				
gland size	entry metric	thread size npt	ISO thread B	inner sheath C min	inner sheath C max	outer sheath D min	outer sheath D max	reduced D min	reduced D max	W	XZ	nom. prot. length	across flats	across corner A	weight kgs	shroud size	
16	M20 x 1.5	1/2" or 3/4"	16	4.0	8.4	8.4	13.5	4.9	10.0	0.9	0.15-0.35	60	24.0	26.5	0.139	L24	
20S	M20 x 1.5	1/2" or 3/4"	16	8.0	11.7	11.5	16.0	9.4	12.5	0.9-1.25	0.15-0.35	60	24.0	26.5	0.125	L24	
20	M20 x 1.5	1/2" or 3/4"	16	6.7	14.0	15.5	21.1	12.0	17.6	0.9-1.25	0.15-0.50	60	30.0	33.0	0.180	L30	
25	M25 x 1.5	3/4" or 1"	16	13.0	20.0	20.3	27.4	16.8	23.9	1.25-1.6	0.15-0.50	60	37.6	41.4	0.252	L38	
32	M32 x 1.5	1" or 1 1/4"	16	19.0	26.3	26.7	34.0	23.2	30.5	1.6-2.0	0.15-0.55	65	46.0	50.6	0.408	L46	
40	M40 x 1.5	1 1/4" or 1 1/2"	16	25.0	32.2	33.0	40.6	28.6	36.2	1.6-2.0	0.20-0.60	75	55.0	60.5	0.642	L55	
50S	M50 x 1.5	1 1/2" or 2"	16	31.5	38.2	39.4	46.7	34.8	42.4	2.0-2.5	0.20-0.60	75	65.0	71.5	0.947	L65	
50	M50 x 1.5	2"	16	36.5	44.1	45.7	53.2	41.1	48.5	2.0-2.5	0.30-0.80	75	65.0	71.5	0.716	L65	
63S	M63 x 1.5	2" or 2 1/2"	19	42.5	50.1	52.1	59.5	47.5	54.8	2.5	0.30-0.80	75	80.0	88.0	1.377	L80	
63	M63 x 1.5	2 1/2"	19	49.5	56.0	58.4	65.8	53.8	61.2	2.5	0.30-0.80	75	80.0	88.0	1.073	L80	
75S	M75 x 1.5	2 1/2" or 3"	19	54.5	62.0	64.8	72.2	60.2	68.0	2.5	0.30-1.0	85	90.0	99.0	1.661	L90	
75	M75 x 1.5	3"	19	60.5	68.0	71.1	78.0	66.5	73.4	2.5	0.30-1.0	85	90.0	99.0	1.322	L90	
80	M80 x 2	3 or 3 1/2"	25	62.2	72.0	77.0	84.0	71.9	79.4	3.15	0.45-1.0	110	104.0	115.2	2.874	L104	
80H	M80 x 2	3 or 3 1/2"	25	62.2	72.0	79.6	90.0	75.0	85.4	3.15	0.45-1.0	110	104.0	115.2	2.874	L104	
85	M85 x 2	3 or 3 1/2"	25	69.0	78.0	79.6	90.0	75.0	85.4	3.15	0.45-1.0	110	104.0	115.2	2.515	L104	
90	M90 x 2	3 1/2" or 4"	25	74.0	84.0	88.0	96.0	82.0	91.4	3.15	0.45-1.0	110	114.0	125.7	3.117	L114	
90H	M90 x 2	3 1/2" or 4"	25	74.0	84.0	92.0	102.0	87.4	97.4	3.15	0.45-1.0	110	114.0	125.7	3.117	L114	
100	M100 x 2	3 1/2" or 4"	25	82.0	90.0	92.0	102.0	87.4	97.4	3.15	0.45-1.0	110	114.0	125.7	2.707	L114	
110	M110 x 2	-	25	87.0	102.0	100.0	117.0	-	-	3.15	0.45-1.0	185	135.0	148.0	4.190	n/a	
120	M120 x 2	-	25	97.0	112.0	110.0	127.0	-	-	3.15	0.45-1.0	185	145.0	159.0	5.750	n/a	
130	M130 x 2	-	25	107.0	122.0	120.0	137.0	-	-	3.15	0.45-1.0	185	155.0	170.0	6.900	n/a	

industrial cable glands

BRASS CABLE GLAND - SIB TEC

Cable gland with excellent strain relief, fully insulated, wide clamping range through clamp lamella, O-Ring on external thread.

For use on machines and devices.

Long thread available on request.

Materials: Brass, Packing Ring is Neoprene

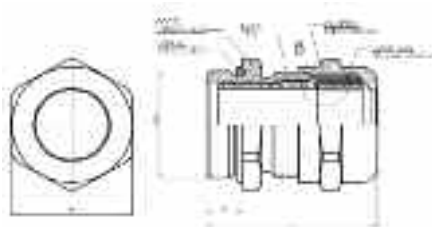
Plating: Nickel

Compliance: EN 60423

GUIDE UTE 68 312

Gland rated to: IP68

Operating temperature range: -40°C to +100°C



threads	clamping range	H mm	W mm	L mm	cat no	quantity
M12	2.5-6.5	14	5	25	C5212000	50
M16	4.0-9.5	17	5	28	C5216000	50
M20	7.0-13.0	22	6	32	C5220000	50
M25	8.0-16.0	27	7	35	C5225000	20
M32	11.0-21.0	34	8	38	C5232000	20
M40	15.0-27.0	42	8	41	C5240000	20
M50	22.0-35.0	55	9	46	C5250000	10
M63	35.0-48.0	65	10	54	C5263000	5

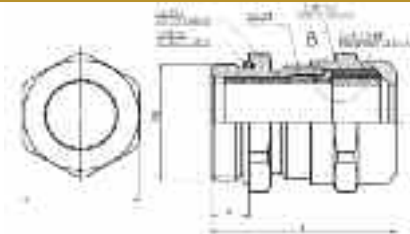
threads	clamping range	H mm	W mm	L mm	cat no	quantity
PG07	2.5-6.5	14	5.0	25.0	C5007000	50
PG09	4.0-9.5	17	6.0	29.0	C5009000	50
PG11	6.0-11.5	20	6.0	30.0	C5011000	50
PG13	7.0-13.00	22	6.5	32.5	C5013000	50
PG16	8.0-15.0	24	6.5	34.0	C5016000	50
PG21	11.0-19.0	30	7.0	35.0	C5021000	20
PG29	16.0-26.0	40	8.0	38.0	C5029000	20
PG36	22.0-34.5	50	9.0	42.0	C5036000	10
PG42	27.0-40.0	58	10.0	47.0	C5042000	5
PG48	35.0-48.0	65	10.0	54.0	C5048000	5
PG48DIN	35.0-48.0	65	10.0	54.0	C5049000	5

industrial cable glands

BRASS CABLE GLAND - SIB TEC

Cable gland with wide clamping range through clamp lamella.
For use on machines and devices.

Materials: Brass, Packing Ring is Neoprene
Plating: Nickel
Compliance: NF E 03-601
Gland rated to: IP68
Operating temperature range: -40°C to +100°C



threads	clamping range	H1 mm	H2 mm	W mm	L mm	cat no	quantity	lock nuts
3/8"NPT	4.0-9.5	17	18	15	38	C5408000	50	D4208105
1/2"NPT	7.0-13.0	22	23	20	46	C5412000	50	D4212102
3/4" NPT	8.0-16.0	27	28	20	48	C5420000	20	D4220107
1" NPT	11.0-21.0	34	36	25	55	C5428000	20	D4228103

With reduction seal insert

threads	clamping range	H1 mm	H2 mm	W mm	L mm	cat no	quantity	lock nuts
3/8"NPT	5.0-7.0	17	18	15	38	C5408400	50	D4208105
1/2"NPT	4.0-10.0	22	23	20	46	C5412400	50	D4212102
3/4" NPT	5.0-13.0	27	28	20	48	C5420400	20	D4220107
1" NPT	7.0-17.0	34	36	25	55	C5428400	20	D4228103

industrial cable glands

BRASS CABLE GLAND - WADI-TEC FOR EMC PROTECTION

Cable gland certifying a contact on 360° for EMC protection.

For use on machines, devices and plant installations.

Long thread available on request.

Materials: Brass, Packing Ring is Tefabloc

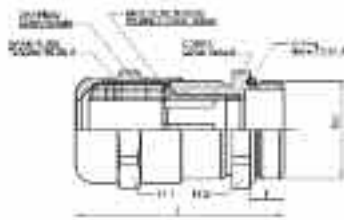
Plating: Nickel

Compliance: EN 60423

GUIDE UTE 68 312

Gland rated to: IP68

Operating temperature range: -25°C to +120°C



threads	clamping range	clamping range	H1 mm	H2 mm	W mm	L mm	cat no	quantity	lock nuts
M12	4.0-6.5	4.0	14	14	7.0	37.0	R1221200	50	D3412100
M16	4.0-6.5	4.0	14	17	7.0	37.0	R1221640	50	D3416100
M16	5.0-8.5	4.5	17	17	7.0	38.0	R1221600	50	D3416100
M20	7.0-10.5	6.0	20	22	7.0	41.0	R1222040	50	D3420100
M20	8.0-12.5	8.0	22	22	7.0	41.0	R1222000	50	D3420100
M25	10.0-14.5	10.0	24	26	8.0	41.0	R1222540	20	D3425100
M25	13.5-18.0	13.5	30	30	8.0	51.0	R1222500	20	D3425100
M32	13.5-18.0	13.5	30	33	8.5	51.5	R1223240	20	D3432100
M32	17.0-24.0	17.0	40	40	8.5	60.5	R1223200	20	D3432100
M40	14.0-24.0	17.0	40	42	8.5	60.5	R1224040	20	D3440100
M40	24.0-30.0	24.0	50	50	8.5	67.0	R1224000	20	D3440100

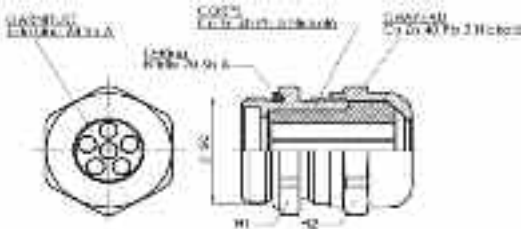
threads	clamping range	clamping range	H mm	W mm	L mm	cat no	quantity	lock nuts
PG07	4.0-6.5	4.0	14	5.0	35	R1200700	50	D4407100
PG09	5.0-8.5	4.5	17	6.0	37	R1200900	50	D4408100
PG11	7.0-10.5	6.0	20	6.0	40	R1201100	50	D4411100
PG13	8.0-12.5	8.0	22	6.5	40	R1201300	50	D4413100
PG16	10.0-14.5	10.0	24	6.5	40	R1201600	50	D4416100
PG21	13.5-18.0	13.5	30	7.0	50	R1202100	20	D4421100
PG29	17.0-24.0	17.0	40	8.0	60	R1202900	20	D4429100
PG36	24.0-30.0	24.0	50	9.0	70	R1203600	20	D4436100

industrial cable glands

BRASS CABLE GLAND - WADI-TEC WITH MULTI-HOLED

Cable gland allowing the passage of several cables.
For use on machines, devices and plant installations.

Materials: Brass, Seal is Tefabloc
Plating: Nickel
Compliance: EN 60423
Gland rated to: IP68
Operating temperature range: -20°C to +120°C



threads	no. of threads	set	H1 mm	H2 mm	E mm	cat no	quantity	lock nuts
M16	2	1	17	17	7	R0721600	50	D4316107
M16	2	3	17	17	7	R0721601	50	D4316107
M16	2	3.5	17	17	7	R0721602	50	D4316107
M16	2	4	17	17	7	R0721603	50	D4316107
M16	3	3	17	17	7	R0721604	50	D4316107
M20	2	2.3	20	22	7	R0722000	50	D4320104
M20	2	3	22	22	7	R0722001	50	D4320104
M20	2	3.5	20	22	7	R0722002	50	D4320104
M20	2	4	20	22	7	R0722003	50	D4320104
M20	2	5	22	22	7	R0722004	50	D4320104
M20	2	6	22	22	7	R0722005	50	D4320104
M20	3	2	22	22	7	R0722006	50	D4320104
M20	3	3	22	22	7	R0722007	50	D4320104
M20	3	3.5	20	22	7	R0722008	50	D4320104
M20	3	4	22	22	7	R0722009	50	D4320104
M20	3	5.3	22	22	7	R0722010	50	D4320104
M20	4	1.5	20	22	7	R0722012	50	D4320104
M20	4	3	22	22	7	R0722013	50	D4320104
M20	4	3.5	20	22	7	R0722014	50	D4320104
M20	4	4	22	22	7	R0722015	50	D4320104
M20	6	2	20	22	7	R0722016	50	D4320104
M20	6	2.5	20	22	7	R0722017	50	D4320104
M20	6	3.5	22	22	7	R0722018	50	D4320104
M20	10	2	22	22	7	R0722019	50	D4320104
M25	2	4	24	26	8	R0722500	20	D4325109
M25	2	4.5	30	30	8	R0722501	20	D4325109
M25	2	5	24	26	8	R0722502	20	D4325109
M25	2	6	24	26	8	R0722503	20	D4325109

industrial cable glands

BRASS CABLE GLAND - WADI-TEC WITH SEAL FOR FLAT CABLES

Cable gland with seal for flat, round angular oval and circo. For use with measuring and control engineering, machines and devices. Long thread available on request.

Materials: Brass, Seal is Tefabloc

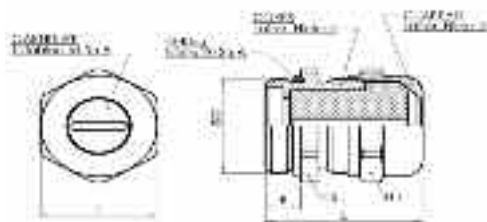
Plating: Nickel

Compliance: EN 60423

GUIDE UTE 68312

Gland rated to: IP68

Operating temperature range: -25°C to +120°C



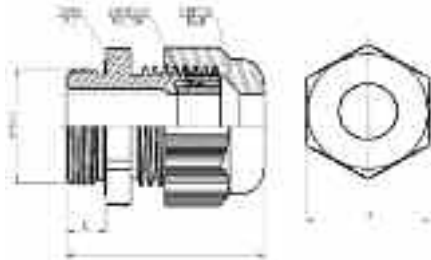
threads	H x L mm	H1 mm	H2 mm	E mm	type	cat no	quantity	lock nuts
M16	3.5 x 5.5	17	17	7	round	R0621600	50	D4316107
M20	2.8 x 10.5	20	22	7	round	R0622000	50	D4320104
M20	3.5 x 9.0	20	22	7	round	R0622005	50	D4320104
M20	4.0 x 6.0	20	22	7	round	R0622010	50	D4320104
M20	3.0 x 12.0	22	22	7	round	R0622015	50	D4320104
M20	5.0 x 11.0	22	22	7	round	R0622020	50	D4320104
M20	5.0 x 8.0	22	22	7	oval	R0622025	50	D4320104
M20	5.0 x 12.0	22	22	7	oval	R0622030	50	D4320104
M25	5.0 x 12.0	24	26	8	round	R0622500	20	D4325109
M25	7.5 x 14.0	24	26	8	round	R0622505	20	D4325109
M25	5.0 x 12.0	24	26	8	oval	R0622530	20	D4325109
M25	5.5 x 8.5	24	26	8	oval	R0622535	20	D4325109
M25	6.0 x 10.0	24	26	8	oval	R0622540	20	D4325109
M25	7.0 x 14.0	24	26	8	oval	R0622545	20	D4325109
M25	8.0 x 12.0	24	26	8	rectangle	R0622570	20	D4325109
M25	5.0 x 16.0	30	30	8	round	R0622510	20	D4325109
M25	5.0 x 17.0	30	30	8	round	R0622515	20	D4325109
M25	7.0 x 18.0	30	30	8	round	R0622520	20	D4325109
M25	9.0 x 15.0	30	30	8	round	R0622525	20	D4325109
M25	5.0 x 15.0	30	30	8	oval	R0622550	20	D4325109
M25	5.0 x 16.0	30	30	8	oval	R0622555	20	D4325109
M25	6.0 x 15.0	30	30	8	oval	R0622560	20	D4325109
M25	7.0 x 16.5	30	30	8	oval	R0622565	20	D4325109
M25	4.0 x 15.0	30	30	8	rectangle	R0622575	20	D4325109
M32	8.0 x 25.0	40	40	8.5	round	R0623200	20	D4332107
M32	10.0 x 25.0	40	40	8.5	round	R0623205	20	D4332107
M32	7.0 x 20.0	40	40	8.5	oval	R0622210	20	D4332107

industrial cable glands

PLASTIC CABLE GLAND - SIB-TEC

Cable gland free of halogen, wide clamping range through clamp lamella.
In accordance with RoHS.
For use with machines and devices.

Materials: Polyamide 6 V2 according to UL94, Seal is Neoprene
Compliance: EN 60423
GUIDE UTE 68310
GUIDE UTE 68311
Gland rated to: IP68 / PA6
Operating temperature range: -40°C to +100°C



cable dimensions mm						cat no			lock nuts	
threads	clamping range		H mm	E mm	L mm	RAL 7035	RAL 9005	quantity	white	black
	min	max								
M12	2.5	6.5	15	8	32	F7021200	F8021200	50	G4312010	H4312110
M16/09	2.5	8.0	19	10	37	F7021650	F8021650	50	G4316005	H4316110
M16/11	3.5	10.0	22	10	39	F7021600	F8021600	50	G4316005	H4316110
M20/13	5.0	12.0	24	10	40	F7022050	F8022050	50	G4320010	H4320110
M20/16	7.0	14.0	27	10	43	F7022000	F8022000	50	G4320010	H4320110
M25/16	7.0	14.0	27	10	45	F7022550	F8022550	20	G4325010	H4325110
M25/21	9.0	18.0	33	10	49	F7022500	F8022500	20	G4325010	H4325110
M32	14.0	25.0	42	10	52	F7023200	F8023200	20	G4332010	H4332110
M40	18.0	32.0	53	10	62	F7024000	F8024000	20	G4340005	H4340110
M50	24.0	38.5	60	12	67	F7025000	F8025000	10	G4350005	H4350110
M63	35.0	48.0	70	12	68	F7026300	F8026300	5	G4363005	H4363110

cable dimensions mm						cat no			lock nuts	
threads	clamping range		H mm	E mm	L mm	RAL 7035	RAL 9005	quantity	white	black
	min	max								
PG07	2.5	6.5	15	8	32	F7000700	F8000700	50	G4107010	H4107002
PG09	2.5	8.0	19	8	35	F7000900	F8000900	50	G4109010	H4109006
PG11	3.5	10.0	22	8	37	F7001100	F8001100	50	G4111009	H4111003
PG13.5	5.0	12.0	24	9	39	F7001300	F8001300	50	G4113003	H4113003
PG16	7.0	14.0	27	10	43	F7001600	F8001600	50	G4116004	H4116004
PG21	9.0	18.0	33	11	50	F7002100	F8002100	20	G4121010	H4121008
PG29	14.0	25.0	42	11	53	F7002900	F8002900	20	G4129010	H4129004
PG36	18.0	32.0	53	13	65	F7003600	F8003600	10	G4936110	H4936100
PG42	24.0	38.5	60	13	68	F7004200	F8004200	5	G4942110	H4942100
PG48	35.0	48.0	70	14	70	F7004900	F8004900	5	G4949110	H4949100

industrial cable glands

cable dimensions mm						cat no			lock nuts	
threads	clamping range		H mm	E mm	L mm	RAL 7035	RAL 9005	quantity	white	black
	min	max								
3/8" NPT	2.5	8.0	19	11	38	F7040800	F8040800	50	G4308211	G4308221
1/2" NPT	5.0	12.0	24	14	44	F7041200	F8041200	50	G4312211	G4312221
3/4" NPT	9.0	18.0	33	15	54	F7042000	F8042000	20	G4320211	G4320221
1" NPT	14.0	25.0	42	18	60	F7042800	F8042800	20	G4328211	G4328221

PLASTIC CABLE GLAND - SIB TEC WITH REDUCTION SEAL INSERT

Cable gland free of halogen, wide clamping range through clamp lamella.

In accordance with RoHS.

For use with machines and devices.

Materials: Polyamide 6 V2 according to UL94, Seal is Neoprene

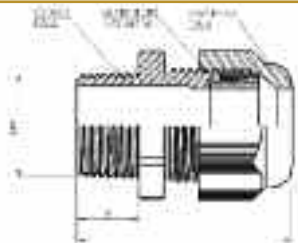
Compliance: EN 60423

GUIDE UTE 68310

GUIDE UTE 68311

Gland rated to: IP68 / PA6

Operating temperature range: -40°C to +100°C



cable dimensions mm						cat no			lock nuts	
threads	clamping range		H mm	E mm	L mm	RAL 7035	RAL 9005	quantity	white	black
	min	max								
M12	1.5	5.0	15	8	32	F7021240	F8021240	50	G4312010	H4312110
M16/09	1.5	6.0	19	10	37	F7021660	F8021660	50	G4316005	H4316110
M16/11	2.0	7.0	22	10	39	F7021640	F8021640	50	G4316005	H4316110
M20/13	3.0	9.0	24	10	40	F7022060	F8022060	50	G4320010	H4320110
M20/16	5.0	12.0	27	10	43	F7022040	F8022040	50	G4320010	H4320110
M25/16	5.0	12.0	27	10	45	F7022560	F8022560	20	G4325010	H4325110
M25/21	7.0	16.0	33	10	49	F7022540	F8022540	20	G4325010	H4325110
M32	11.0	21.0	42	10	52	F7023240	F8023240	20	G4332010	H4332110
M40	13.0	26.0	53	10	62	F7024040	F8024040	20	G4340005	H4340110
M50	17.0	31.0	60	12	67	F7025040	F8025040	10	G4350005	H4350110
M63	26.0	39.0	70	12	68	F7026340	F8026340	5	G4363005	H4363110

industrial cable glands

cable dimensions mm						cat no			lock nuts	
threads	clamping min	range max	H mm	E mm	L mm	RAL 7035	RAL 9005	quantity	white	black
PG07	1.5	5.0	15	8	32	F7000740	F8000740	50	G4107010	H4107002
PG09	1.5	6.0	19	8	35	F7000940	F8000940	50	G4109010	H4109006
PG11	2.0	7.0	22	8	37	F7001140	F8001140	50	G4111009	H4111009
PG13.5	3.0	9.0	24	9	39	F7001340	F8001340	50	G4113003	H4113003
PG16	5.0	12.0	27	10	43	F7001640	F8001640	50	G4116004	H4116004
PG21	7.0	16.0	33	11	50	F7002140	F8002140	20	G4121010	H4121008
PG29	11.0	21.0	42	11	53	F7002940	F8002940	20	G4129010	H4129004
PG36	13.0	26.0	53	13	65	F7003640	F8003640	10	G4936110	H4936100
PG42	17.0	31.0	60	13	68	F7004240	F8004240	5	G4942110	H4942100
PG48	26.0	39.0	70	14	70	F7004940	F8004940	5	G4949110	H4949100

cable dimensions mm						cat no			lock nuts	
threads	clamping min	range max	H mm	E mm	L mm	RAL 7035	RAL 9005	quantity	white	black
3/8" NPT	1.5	6.0	19	11	38	F7040840	F8040840	50	G4308211	G4308221
1/2" NPT	3.0	9.0	24	14	44	F7041240	F8041240	50	G4312211	G4312221
3/4" NPT	7.0	16.0	33	15	54	F7042040	F8042040	20	G4320211	G4320221
1" NPT	11.0	21.0	42	18	60	F7042840	F8042840	20	G4328211	G4328221

PLASTIC CABLE GLAND - WADI TEC WITH SEAL FOR FLAT CABLES

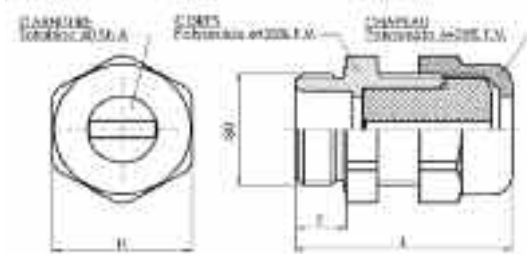
Cable gland, free of halogen, with seal for cables, round angular oval and circo. For use with measuring, control engineering, plant installations, machines and devices.

Materials: Polyamide 6 glassfibre 25% reinforced, Seal is Tefabloc

Compliance: EN 60423

Gland rated to: IP68 / PA6Fv

Operating temperature range: -30°C to +120°C



industrial cable glands

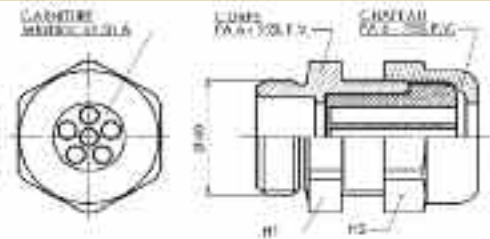
threads	H x L mm	H mm	E mm	type of set	cat no RAL7035	quantity	lock nuts	
							white	black
M16	3.5 x 5.5	19	8	round	Z6621600	50	G4316010	H4316110
M20	3.0 x 12.0	24	9	round	Z6622000	50	G4320010	H4320110
M20	5.0 x 11.0	24	9	round	Z6622010	50	G4320010	H4320110
M20	5.0 x 8.0	24	9	oval	Z6622040	50	G4320010	H4320110
M20	5.0 x 12.0	24	9	oval	Z6622050	50	G4320010	H4320110
M20	5.0 x 12.0	27	9	round	Z6622020	50	G4320010	H4320110
M20	7.5 x 14.0	27	9	round	Z6622030	50	G4320010	H4320110
M20	5.5 x 8.5	27	9	oval	Z6622060	50	G4320010	H4320110
M20	7.0 x 14.0	27	9	oval	Z6622070	50	G4320010	H4320110
M20	8.0 x 12.0	27	9	rectangle	Z6622080	50	G4320010	H4320110
M25	5.0 x 16.0	33	11	round	Z6622500	20	G4325010	H4325110
M25	5.0 x 17.0	33	11	round	Z6622510	20	G4325010	H4325110
M25	7.0 x 18.0	33	11	round	Z6622520	20	G4325010	H4325110
M25	9.0 x 15.0	33	11	round	Z6622530	20	G4325010	H4325110
M25	5.0 x 15.0	33	11	oval	Z6622540	20	G4325010	H4325110
M25	5.0 x 16.0	33	11	oval	Z6622550	20	G4325010	H4325110
M25	6.0 x 15.0	33	11	oval	Z6622560	20	G4325010	H4325110
M25	7.0 x 16.5	33	11	oval	Z6622570	20	G4325010	H4325110
M25	4.0 x 15.0	33	11	rectangle	Z6622580	20	G4325010	H4332110
M32	8.0 x 25.0	42	12	round	Z6623200	20	G4332010	H4332110
M32	10.0 x 25.0	42	12	round	Z6623210	20	G4332010	H4332110
M32	7.0 x 20.0	42	12	oval	Z6623220	20	G4332010	H4332110
M40	6.0 x 29.0	55	15	round	Z6624000	20	G4340010	H4340110
M40	6.0 x 30.0	55	15	round	Z6624010	20	G4340010	H4340110
M40	6.0 x 36.0	55	15	round	Z6624020	20	G4340010	H4340110
M40	8.0 x 36.0	55	15	round	Z6624030	20	G4340010	H4340110
M40	11.0 x 34.0	55	15	round	Z6624040	20	G4340010	H4340110
M40	6.5 x 32.0	55	15	oval	Z6624060	20	G4340010	H4340110
M40	11.0 x 35.0	55	15	oval	Z6624070	20	G4340010	H4340110
M40	10.0 x 27.0	55	15	oval	Z6624120	20	G4340010	H4340110
M40	5.0 x 36.0	55	15	rectangle	Z6624080	20	G4340010	H4340110
M40	6.0 x 26.0	55	15	rectangle	Z6624100	20	G4340010	H4340110
M40	7.0 x 26.0	55	15	rectangle	Z6624110	20	G4340010	H4340110
M40	8.0 x 30.0	55	15	rectangle	Z6624090	20	G4340010	H4340110
M40	12.0 x 35.0	55	15	round	Z6624050	20	G4340010	H4340110
M40	13.0 x 28.0	55	15	round	Z6624130	20	G4340010	H4340110
M40	24.0 x 16.0	55	15	rectangle	Z6624150	20	G4340010	H4340110
M40	33.0 x 7.0	55	15	rectangle	Z6624140	20	G4340010	H4340110
M50	10.0 x 38.0	65	15	round	Z6625010	10	G4350010	H4350110
M50	13.0 x 35.0	65	15	round	Z6625020	10	G4350010	H4350110
M50	14.0 x 37.0	65	15	round	Z6625030	10	G4350010	H4350110
M50	6.0 x 41.0	65	15	oval	Z6625040	10	G4350010	H4350110
M50	9.0 x 38.0	65	15	oval	Z6625050	10	G4350010	H4350110
M50	5.5 x 37.0	65	15	rectangle	Z6625060	10	G4350010	H4350110
M50	6.0 x 39.0	65	15	rectangle	Z6625070	10	G4350010	H4350110
M50	30.0 x 20.0	65	15	rectangle	Z6625080	10	G4350010	H4350110
M63	6.5 x 47.0	70	15	round	Z6626300	5	G4363010	H4363110
M63	9.0 x 43.0	70	15	round	Z6626310	5	G4363010	H4363110
M63	14.5 x 39.0	70	15	round	Z6626320	5	G4363010	H4363110
M63	15.0 x 45.0	70	15	round	Z6626330	5	G4363010	H4363110

industrial cable glands

PLASTIC CABLE GLAND - WADI TEC WITH MULTI-HOLED

Cable gland free of halogen, allowing the passage of several cables, specific for sealed packing rings.
For use with plant installations, machines and devices.

Materials: Polyamide 6 glassfibre 25% reinforced, Seal is Tefabloc
Compliance: EN 60423
Gland rated to: IP62 / PA6Fv
Operating temperature range: -30°C to +120°C



threads	no of entries	no of passage	H mm	E mm	cat no RAL 7035	quantity	lock nuts	
							white	black
M16	2	1	19	8	Z6721600	50	G4312010	H4312110
M16	2	3	19	8	Z6721601	50	G4312010	H4312110
M16	2	3.5	19	8	Z6721602	50	G4312010	H4312110
M16	2	4	19	8	Z6721603	50	G4312010	H4312110
M16	3	3	19	8	Z6721604	50	G4312010	H4312110
M20	2	3	24	9	Z6722000	50	G4320010	H4320110
M20	2	4	27	9	Z6722001	50	G4320010	H4320110
M20	2	5	27	9	Z6722002	50	G4320010	H4320110
M20	2	6	27	9	Z6722003	50	G4320010	H4320110
M20	2	7	27	9	Z6722004	50	G4320010	H4320110
M20	3	2	24	9	Z6722005	50	G4320010	H4320110
M20	3	3	27	9	Z6722006	50	G4320010	H4320110
M20	3	4	27	9	Z6722007	50	G4320010	H4320110
M20	3	5	27	9	Z6722008	50	G4320010	H4320110
M20	3	5.6	27	9	Z6722009	50	G4320010	H4320110
M20	3	6	27	9	Z6722010	50	G4320010	H4320110
M20	4	3	24	9	Z6722011	50	G4320010	H4320110
M20	4	4	27	9	Z6722012	50	G4320010	H4320110
M20	5	4	27	9	Z6722013	50	G4320010	H4320110
M20	5	5	27	9	Z6722014	50	G4320010	H4320110
M20	6	3.5	24	9	Z6722015	50	G4320010	H4320110
M20	6	4	27	9	Z6722016	50	G4320010	H4320110
M20	10	2	24	9	Z6722017	50	G4320010	H4320110

industrial cable glands

IP68 CABLE GLAND

The range from M16 to M25 have been independently tested.

They are available in black, white, bright red RAL 3020 and light grey RAL 7035 ex stock, with other colours to order.

The range from M32 to M63 are available in black, ex stock, with other colours to order.

Compliance: BSEN50262

Gland rated to: IP68



cat no	thread	min mm	max mm	colour
DG12B	M12	3	6.5	black
DG16B	M16	5	10	black
DG16LG	M16	5	10	light grey
DG16BR	M16	5	10	bright red
DG16SB	M16	3	7	black
DG16SR-F/R	M16	3	7	red flame ret.
DG16SW	M16	3	7	white
DG16W	M16	5	10	white
DG20S-BR	M20	4	9	bright red
DG20S-LG	M20	4	9	light grey
DG20SB	M20	4	9	black
DG20SW	M20	4	9	white
DG20-LG	M20	6	12	light grey
DG20B	M20	6	12	black
DG20BR	M20	6	12	bright red
DG20R-F/R	M20	6	12	red flame ret.
DG20W	M20	6	12	white
DG20W-F/R	M20	6	12	white flame ret.
DG20L-LG	M20	10	14	light grey
DG20L-R	M20	10	14	bright red
DG20LB	M20	10	14	black
DG20LR-F/R	M20	10	14	red flame ret.
DG20LW	M20	10	14	white
DG25SB	M25	9	14	black
DG25SR	M25	9	14	bright red
DG25SR-F/R	M25	9	14	red flame ret.
DG25SW	M25	9	14	white
DG25R	M25	13	18	bright red
DG25R-F/R	M25	13	18	red flame ret.
DG25-LG	M25	13	18	light grey
DG25B	M25	13	18	black
DG25W	M25	13	18	white
DG32B	M32	18	25	black
DG32SB	M32	12	20	black
DG32W	M32	18	25	white
DG40B	M40	22	32	black
DG50B	M50	30	38	black
DG63B	M63	34	44	black

industrial cable glands

IP55 CABLE GLAND

The range from M16 to M32 has cable capacity from 4mm diameter to 24mm diameter.

Glands can be supplied assembled with sealing washer and locknut

Colours: black, white, light grey and bright red

Materials: Moulded from nylon 6 with rubber or TPE seal

Compliance: BSEN50255

Gland rated to: IP55



cat no	thread	min mm	max mm	colour
248B	M16/16	4	7	black
248W	M16/16	4	7	white
249B	M20/16	4	7	black
249BR	M20/16	4	7	bright red
249LG	M20/16	4	7	light grey
249W	M20/16	4	7	white
250B	M16/16	7	10.5	black
250G	M16/16	7	10.5	light grey
250W	M16/16	7	10.5	white
251B	M20/16	7	10.5	black
251BR	M20/16	7	10.5	bright red
251LG	M20/16	7	10.5	light grey
251W	M20/16	7	10.5	white
252B	M20/20	8	13	black
252BR	M20/20	8	13	bright red
252W	M20/20	8	13	white
253B	M25/20	8	13	black
253BR	M25/20	8	13	bright red
253W	M25/20	8	13	white
254B	M25/25	12	18	black
254BR	M25/25	12	18	bright red
254W	M25/25	12	18	white
255B	M32/32	18	24.5	black
255BR	M32/32	18	24.5	bright red
255W	M32/32	18	24.5	white
264B	M25/20	4	7	black
264W	M25/20	4	7	white
265B	M25/20	7	10.5	black
265W	M25/20	7	10.5	white

industrial cable glands

MINIATURE AND SURFACE MOUNTED CABLE GLANDS

Ideal for small cable sizes they are available in Black (RAL9005) or White (RAL9010) with either long or short threads.

Locknuts and sealing washers are available as separate items.

Surface mounted cable glands can be mounted to any flat surface using the two fixing holes in the flange.

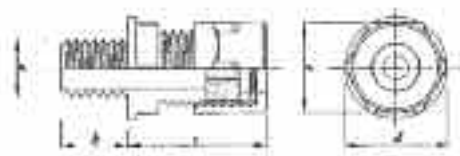
Halogen Free.

Materials: Polyamide 6.6, Seal is Nitrile Rubber

Gland rated to: IP66

UL94 - V2

Operating temperature range: -20°C to +90°C



cat no	a	b	min	max	c	d	e		sealing washer	lock nuts
238	M10	8.0	2.0	5.0	21.0	17.0	15.0	100	68	78
240	M10	8.0	5.0	7.0	21.0	17.0	15.0	100	68	78
244	M10	20.0	2.0	5.0	21.0	17.0	15.0	100	68	78
246	M10	20.0	5.0	7.0	21.0	17.0	15.0	100	68	78
239	M13	8.0	2.0	5.0	21.0	17.0	15.0	100	69	79
241	M13	8.0	5.0	7.0	21.0	17.0	15.0	100	69	79
245	M13	20.0	2.0	5.0	21.0	17.0	15.0	100	69	79
247	M13	20.0	5.0	7.0	21.0	17.0	15.0	100	69	79

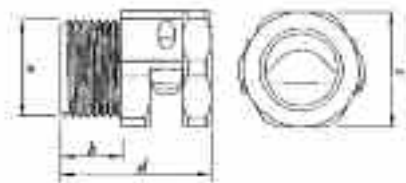
cat no	a	b	min	max	c	d	e		sealing washer	lock nuts
275	-	-	6.0	4.0	25.0	-	19.0	100	-	-
276	-	-	10.0	7.0	25.0	-	19.0	100	-	-
277	-	-	13.0	8.0	25.0	-	23.0	100	-	-
275-T	-	-	bore 3.5x	2.0	25.0	-	19.0	100	-	-

industrial cable glands

THREADED CORD GRIPS

Metric and PG sizes are available and come in Black RAL 9005 with other colours available to special order.
Halogen Free.

Materials: Polyamide 6.6, Seal is Nitrile Rubber
Gland rated to: IP66
UL94 - V2
Operating temperature range: -20°C to +90°C



cat no	a	b	min	max	c	d		sealing washer	lock nut
743-B	M16	9.0	3.5	11.0	19.0	23.5	100	96	92-B
744-B	M20	12.0	4.0	14.5	23.0	29.5	100	97	93-B
745-B	M25	12.0	8.0	18.0	27.0	29.5	100	98	94-B
746-B	Pg9	9.0	3.5	11.0	19.0	23.5	100	207-401	LNPG9
747-B	Pg13.5	12.0	4.0	14.5	23.0	29.5	100	207-403	LNPG13.5
748-B	Pg16	12.0	8.0	18.0	27.0	27.5	100	207-404	LNPG16

section 3

hazardous area ATEX glands

hazardous area ATEX glands

CABLE GLAND TYPE A (Single Compression for any Cables)

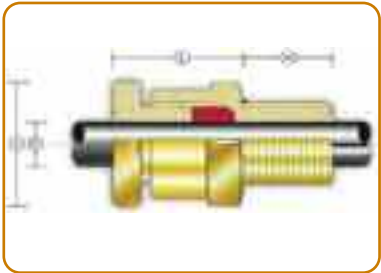
"A" type glands certified Flameproof Ex d, Increased Safety Ex e and Restricted Breathing Ex NR are suitable for use in Zone 1, Zone 2, Zone 21, Zone 22 and in Gas Groups IIA, IIB, IIC.

Commonly referred to as "stuffing glands" they provide a controlled pull resistant environmental displacement seal on the cable outer sheath, minimising damage to cables that exhibit "cold flow" characteristics.

The gland maintains IP66 and IP68 to 25 metres and is deluge proof without the use of an additional seal or deluge boot.

It is supplied with an IP O-ring seal as standard on metric entry threads.

Options are available for use with LSOH cables and extreme temperature applications.



Materials: Brass, Stainless Steel, Aluminium

Plating: Nickel-Zinc

Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 61241-0, EN 6124-1

Standard: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1, IEC 60529

Gland rated to: IP66 and IP68 (25 metres - 30 minutes), NEMA 4X and DTS01 1991

Operating temperature range: -20°C to +85°C for Neoprene Seals, -60°C to +180°C for Silicone Seals

Certification:

ATEX: 11 2 GD Ex d IIC / Ex e II / Ex tD A21 / 11 3 GD Ex nR II (Certificate No: SIRA 01ATEX2271X & SIRA 09ATEX1221X)

IECEx: Ex d IIC / Ex e II / Ex tD A21 (Certificate No: SIR 07.0096X)

GOST-R: Ex d IIC / Ex e II U (Certificate No: POCC GB.r606.B00853)

CSA: CSA Ex d IIC / Ex e II Class I Zone 1 / Class I Division 2, Groups A,B, C & D / Class II Division 2, Groups E, F & G / Class III, Enclosure Types 3, 4 & 4X (Certificate No: CSA 1356011)

NEPSI: Ex d IIC / Ex e II (Certificate No: GYJ06186X)

INMETRO: BR - Ex d IIC / Ex e II / Ex nR II / Ex tD A21 (Certificate No: NCC 5879/09 X)

ABS: 1-1-4/7.7, 4-8-3/1.7, 4-8-3/13 and 4-8-4/27.5 MODU Rules 4-3-3/9 (Certificate No: 09-LD463991-PDA)

LLOYD'S: Enclosure Systems (Part 1B) (Certificate No: 10/00056)

RMRS: Part XI of Rules for sea-going ships (ed.2008) (Certificate No: 09.00784.011)

gland & thread size				cable acceptance details mm			gland dimensions mm			
gland size	entry thread size		ISO thread length B	outer sheath D min	outer sheath D max	nominal protrusion length L	across flats	across corners A	weight kgs	metric thread shroud size
	metric	npt								
16	M20 x 1.5	1/2" or 3/4"	16	4.0	8.4	33	25.4	28.0	0.078	L24
20S	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	33	25.4	28.0	0.101	L24
20	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	33	30.0	33.0	0.127	L30
25	M25 x 1.5	3/4" or 1"	16	13.5	20.0	33	37.6	41.4	0.166	L38
32	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	33	46.0	50.6	0.244	L46
40	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	37	55.0	60.5	0.396	L55
50S	M50 x 1.5	1 1/2" or 2"	16	28.1	38.2	37	65.0	71.5	0.558	L65
50	M50 x 1.5	2"	16	33.1	44.1	37	65.0	71.5	0.438	L65
63S	M63 x 1.5	2" or 2 1/2"	19	39.2	50.1	37	80.0	88.0	0.832	L80
63	M63 x 1.5	2 1/2"	19	46.7	56.0	37	80.0	88.0	0.664	L80
75S	M75 x 1.5	2 1/2" or 3"	19	52.1	62.0	37	90.0	99.0	0.924	L90
75	M75 x 1.5	3"	19	58.0	68.0	37	90.0	99.0	0.714	L90
80	M80 x 2	3 or 3 1/2"	25	62.2	72.0	50	104.0	115.2	1.514	L104
85	M85 x 2	3 or 3 1/2"	25	69.0	78.0	50	104.0	115.2	1.332	L104
90	M90 x 2	3 1/2" or 4"	25	74.0	84.0	50	114.0	125.7	1.622	L114
100	M100 x 2	3 1/2" or 4"	25	82.0	90.0	50	114.0	125.7	1.523	L114

hazardous area ATEX glands

CABLE GLAND TYPE E (Double Compression for Armoured Cables)

"E" type double compression glands certified Flameproof Ex d, Increased Safety Ex e and Restricted Breathing Ex NR are suitable for use in Zone 1, Zone 2, Zone 21, Zone 22 and in Gas Groups IIA, IIB, IIC.

They provide a controlled Ex d & IP seal on the cable inner sheath, an environmental seal on the outer sheath and a detachable armour specific clamping system for wire (W), braid (X) or tape (Z) armoured cables.

The gland has been tested to IP66 and IP68 to 35 metres and is available with an IP O-ring seal on metric entry threads. The "IE" version allows the gland to be used with HV cables where the fault load is greater than

10.4kA and options are available for use with lead sheath, LSOH cables and extreme temperature applications.



Materials: Brass or Stainless Steel

Plating: Nickel-Zinc

Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 61241-0, EN 6124-1

Standard: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1, IEC 60529

Gland rated to: IP66 and IP68 (35 metres - 7 days), NEMA 4X

Operating temperature range: -20°C to +85°C for Neoprene Seals, -60°C to +180°C for Silicone Seals

Certification:

ATEX: I1 2 GD Ex d I1c / Ex e I1 / Ex tD A21 / I1 3 GD Ex nR I1 (Certificate No: SIRA 01ATEX1271X & SIRA 09ATEX1221X)

IECEx: Ex d I1C / Ex e I1 / Ex tD A21 (Certificate No: SIR 07.0097X)

GOST-R: Ex d I1C / Ex e I1U (Certificate No: POCC GB.r606.B00853)

CSA: CSA Ex d I1C / Ex e I1 Class I Zone 1 / Class II Division 2, Groups A,B, C & D / Class III Division 2, Groups E, F & G / Class I11, Enclosure Types 3,4 & 4X (Certificate No: CSA I356011)

NEPSI: Ex d I1c / Ex e I1 (Certificate No: GYJ06187X)

INMETRO: BR - Ex d I1c / Ex e I1 / Ex nR I1 / Ex tD A21 (Certificate No: NCC 5879/09 X)

ABS: I-1-4/7.7, 4.8-3/1.7, 4.8-3/1.3 and 4.8-4/27.5 MODU Rules 4-3-3/9 (Certificate No: 09-LD463991-PDA)

LLOYD'S: Enclosure Systems (Part 1B) (Certificate No: 10/00056)

RMRS: Part XI of Rules for sea-going ships (ed.2008) (Certificate No: 09.00784.011)

gland & thread size				cable acceptance details mm						armour acceptance range		L	gland dimensions mm			
gland size	entry metric	thread size npt	ISO thread B	inner sheath Cmin	inner sheath Cmax	outer sheath Dmin	outer sheath Dmax	reduced Dmin	Dmax	W	XZ	nom. prot. length	across flats	across corner A	weight kgs	shroud size
16	M20 x 1.5	1/2" or 3/4"	16	4.0	8.4	8.4	13.5	4.9	10.3	0.9	0.15-0.35	58	24.0	26.5	0.154	L24
20S	M20 x 1.5	1/2" or 3/4"	16	8.0	11.7	12.9	16.0	9.4	12.5	0.9-1.25	0.15-0.35	58	24.0	26.5	0.125	L24
20	M20 x 1.5	1/2" or 3/4"	16	6.7	14.0	15.5	21.1	12.0	17.6	0.9-1.25	0.15-0.50	58	30.0	33.0	0.180	L30
25	M25 x 1.5	3/4" or 1"	16	13.0	20.0	20.3	27.4	16.8	23.9	1.25-1.6	0.15-0.50	58	38.0	41.4	0.256	L38
32	M32 x 1.5	1" or 1 1/4"	16	19.0	26.3	26.7	34.0	23.2	30.5	1.6-2.0	0.15-0.55	65	46.0	50.6	0.400	L46
40	M40 x 1.5	1 1/4" or 1 1/2"	16	25.0	32.2	33.0	40.6	28.6	36.2	1.6-2.0	0.20-0.60	72	55.0	60.5	0.649	L55
50S	M50 x 1.5	1 1/2" or 2"	16	31.5	38.2	39.4	46.7	34.8	42.4	2.0-2.5	0.20-0.60	73	65.0	71.5	0.940	L65
50	M50 x 1.5	2"	16	36.5	44.1	45.7	53.2	41.1	48.5	2.0-2.5	0.30-0.80	73	65.0	71.5	0.707	L65
63S	M63 x 1.5	2" or 2 1/2"	19	42.5	50.1	52.1	59.5	47.5	54.8	2.5	0.30-0.80	76	80.0	88.0	1.369	L80
63	M63 x 1.5	2 1/2"	19	49.5	56.0	58.4	65.8	53.8	61.2	2.5	0.30-0.80	76	80.0	88.0	1.123	L80
75S	M75 x 1.5	2 1/2" or 3"	19	54.5	62.0	64.8	72.2	60.2	68.0	2.5	0.30-1.0	82	90.0	99.0	1.660	L90
75	M75 x 1.5	3"	19	60.5	68.0	71.1	78.0	66.5	73.4	2.5	0.30-1.0	82	90.0	99.0	1.310	L90
80	M80 x 2	3 or 3 1/2"	25	62.2	72.0	77.0	84.0	71.9	79.4	3.15	0.45-1.0	110	104.0	115.2	2.718	L104
80H	M80 x 2	3 or 3 1/2"	25	62.2	72.0	79.6	90.0	75.0	85.4	3.15	0.45-1.0	110	104.0	115.2	2.718	L104
85	M85 x 2	3 or 3 1/2"	25	69.0	78.0	79.6	90.0	75.0	85.4	3.15	0.45-1.0	110	104.0	115.2	2.326	L104
90	M90 x 2	3 1/2" or 4"	25	74.0	84.0	88.0	96.0	82.0	91.4	3.15	0.45-1.0	110	114.0	125.7	2.852	L114
90H	M90 x 2	3 1/2" or 4"	25	74.0	84.0	92.0	102.0	87.4	97.4	3.15	0.45-1.0	110	114.0	125.7	2.852	L114
100	M100 x 2	3 1/2" or 4"	25	82.0	90.0	92.0	102.0	87.4	97.4	3.15	0.45-1.0	110	114.0	125.7	2.496	L114

hazardous area ATEX glands

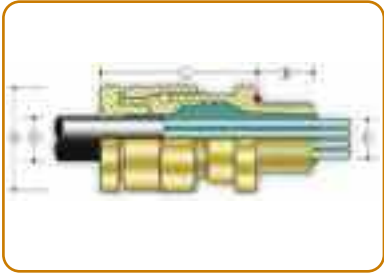
CABLE GLAND TYPE CR-C (featuring “CROCLOCK”)

“CR-C” type glands certified Flameproof Ex d, Increased Safety Ex e and Restricted Breathing Ex nR are suitable for use in Zone 1, Zone 2, Zone 21, Zone 22, Group I Mining, Gas Groups IIA, IIB, IIC and Dust Groups IIAA, IIIB, IIIC.

Occasionally referred to as “potting glands”, they provide a compound barrier Ex d and IP seal on the cable inner cores, eliminating damage to cables that exhibit “cold flow” characteristics and an environmental seal on the outer sheath.

The unique features include “CROCLOCK” the non reversible multi clamping system for wire (W), braid (X) or tape (Z) armoured cables and T-1000, the sealing compound that enables a quick and easy installation.

The innovative barrier chamber provides a cable acceptance that is on average 17% greater than other designs, while the gland maintains IP66 and IP68 to 100 metres and is deluge proof without the use of an additional seal or deluge boot It is supplied with an available with an IP O-ring seal as standard on metric entry threads. The “IE” version allows the gland to be used with HV cables where the fault load is greater than 10.4kA and options are available for use with lead sheath.



Materials: Brass or Stainless Steel

Plating: Nickel-Zinc

Compound: T-1000 Sealing Compound

Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31

Standard: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31, IEC 60529

Gland rated to: IP66 and IP68 (100 metres - 7 days), NEMA 4X & DTS01 1991

Operating temperature range: -60°C to +135°C

Certification:

ATEX: I M2 II 2GD Ex d IMb & IIC Gb / Ex e I Mb & IIC Gb / EX ta I IIC Da / II 3GD Ex nR IIC Gc (Certificate No: SIRA 01ATEX1479X & SIRA 09ATEX4124X)

IECEX: Ex d I Mb & IIC Gb / Ex e I Mb & IIC Gb / EX ta I IIC Da / Ex nR IIC Gc (Certificate No: SIR 07.0098X)

GOST-R: Ex d I & IICU / EX e I IU (Certificate No: POCC GB.r606.B00853)

CSA: CSA Ex d I & IIC Class I Zone I / AEx d IIC / AEx e II / Class I Division 2, Groups A,B, C & D / Class II Division 2, Groups E, F & G / Class III, Enclosure Types 3,4 & 4X (Certificate No: CSA 1356011)

NEPSI: Ex d IIC (Certificate No: GYJ06188X)

INMETRO: BR - Ex d IIC / Ex nR II / Ex tD A21 (Certificate No: NCC 5881/09 X)

ABS: I-1-4/7.7, 4.8-3/1.7, 4.8-3/1.3 and 4.8-4/27.5 MODU Rules 4-3-3/9 (Certificate No: 09-LD463991A-PDA)

LLOYD'S: Enclosure Systems (Part 1B) (Certificate No: 10/00056)

RMRS: Part XI of Rules for sea-going ships (ed.2008) (Certificate No: 09.00784.011)

gland & thread size				cable acceptance details mm								L		gland dimensions mm			
gland size	entry thread size		ISO thread B	no of cores	cable inner sheath C			cable outer sheath D				armour acceptance range	nom. prot. length	across flats	across corner A	weight kgs	shroud size
	metric	npt			max inner sheath	min	reduced	min	max								
16	M20 x 1.5	1/2" or 3/4"	16	15	10.4	11.7	9.0	13.5	6.7	10.3	0.15-1.25	79	25.4	28.0	0.177	EL24	
20S	M20 x 1.5	1/2" or 3/4"	16	35	10.4	11.7	12.9	16.0	9.4	12.5	0.15-1.25	79	25.4	28.0	0.166	EL24	
20	M20 x 1.5	1/2" or 3/4"	16	40	12.5	14.0	15.5	21.1	12.0	17.6	0.15-1.25	79	30.0	33.0	0.245	EL30	
25	M25 x 1.5	3/4" or 1"	16	60	17.8	20.0	20.3	27.4	16.8	23.9	0.15-1.60	89	37.6	41.4	0.402	EL38	
32	M32 x 1.5	1" or 1 1/4"	16	80	23.5	26.3	26.7	34.0	23.2	30.5	0.15-2.00	110	46.0	50.6	0.738	EL46	
40	M40 x 1.5	1 1/4" or 1 1/2"	16	130	28.8	32.2	33.0	40.6	28.6	36.2	0.20-2.00	110	55.0	60.5	1.079	EL55	
50S	M50 x 1.5	1 1/2" or 2"	16	200	34.2	38.2	39.4	46.7	34.8	42.4	0.20-2.50	125	65.0	71.5	1.455	EL65	
50	M50 x 1.5	2"	16	400	39.4	44.1	45.7	53.2	41.1	48.5	0.20-2.50	125	65.0	71.5	1.366	EL65	
63S	M63 x 1.5	2" or 2 1/2"	19	400	44.8	50.1	52.1	59.5	47.5	54.8	0.30-2.50	125	80.0	88.0	2.157	EL80	
63	M63 x 1.5	2 1/2"	19	425	50.0	56.0	58.4	65.8	53.8	61.2	0.30-2.50	125	80.0	88.0	2.035	EL80	
75S	M75 x 1.5	2 1/2" or 3"	19	425	55.4	62.0	64.8	72.2	60.2	68.0	0.30-2.50	130	90.0	99.0	2.399	EL90	
75	M75 x 1.5	3"	19	425	60.8	68.0	71.1	78.0	66.5	73.4	0.30-2.50	130	90.0	99.0	2.313	EL90	
80	M80 x 2	3 or 3 1/2"	25	425	64.4	72.0	77.0	84.0	71.9	79.4	0.45-3.15	162	104.0	115.2	4.763	EL104	
85	M85 x 2	3 or 3 1/2"	25	425	69.8	78.0	79.6	90.0	75.0	85.4	0.45-3.15	162	104.0	115.2	4.122	EL104	
90	M90 x 2	3 1/2" or 4"	25	425	75.1	84.0	88.0	96.0	82.0	91.4	0.45-3.15	162	114.0	125.7	5.114	EL114	
100	M100 x 2	3 1/2" or 4"	25	425	80.5	90.0	92.0	102.0	87.4	97.4	0.45-3.15	162	114.0	125.7	4.356	EL114	

hazardous area ATEX glands

CABLE GLAND TYPE CR-X (single compression for unarmoured cables)

"CR-C" type glands, when used with any shape cable are certified Flameproof Ex d, Increased Safety Ex e and Restricted Breathing Ex nR are suitable for use in Zone 1, Zone 2, Zone 21, Zone 22, Group I Mining, Gas Groups IIA, IIB, IIC and Dust Groups IIA, IIB, IIC.

Occasionally referred to as "potting glands", they provide a compound barrier Ex d and IP seal on the cable inner cores, eliminating damage to cables that exhibit "cold flow" characteristics.

The unique features include a sealing compound that enables a quick and easy installation and an innovative barrier chamber that provides a cable acceptance that is on average 17% greater than other designs, while the gland maintains IP66 and IP68 to 100 metres and is deluge proof without the use of an additional seal or deluge boot.

It is supplied with an IP O-ring seal as standard on metric entry threads.



Materials: Brass or Stainless Steel

Plating: Nickel-Zinc

Compound: T-1000 Sealing Compound

Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31

Standard: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31, IEC 60529

Gland rated to: IP66 and IP68 (100 metres - 7 days), NEMA 4X & DTS01 1991

Operating temperature range: -60°C to +135°C

Certification:

ATEX: I M2 II 2GD Ex d IMb & IIC Gb / Ex e IMb & IIC Gb / EX ta IIC Da / II 3GD Ex nRIIC Gc (Certificate No: SIRA 01ATEX1479X & SIRA 09ATEX4124X)

IECEX: Ex d IMb & IIC Gb / EX e IMb & IIC Gb / EX ta IIC Da / Ex nRIIC Gc (Certificate No: SIR 07.0098X)

GOST-R: Ex d I & IICU / EX e IIU (Certificate No: POCC GB.r606.B00853)

CSA: CSA Ex d I & IIC Class I Zone I / AEx d IIC / AEx e II / Class II Division 2, Groups A,B, C & D / Class II Division 2, Groups E, F & G / Class III, Enclosure Types 3,4 & 4X (Certificate No: CSA 1356011)

NEPSI: Ex d IIC (Certificate No: GYJ06188X)

INMETRO: BR - Ex d IIC / Ex nRII / Ex tD A2I (Certificate No: NCC 5881/09 X)

ABS: 1-1-4/7.7, 4-8-3/1.7, 4-8-3/13 and 4-8-4/27.5 MODU Rules 4-3-3/9 (Certificate No: 09-LD463991A-PDA)

LLOYD'S: Enclosure Systems (Part IB) (Certificate No: I0/00056)

RMRS: Part XI of Rules for sea-going ships (ed.2008) (Certificate No: 09.00784.011)

gland & thread size				cable acceptance details mm			L	gland dimensions mm			
gland size	entry thread size metric	ISO npt thread B		number of cores C	max Ø over cores C	max outer sheath D	nom. prot. length	across flats	across corner A	weight kgs	shroud size
20S	M20 x 1.5	1/2" or 3/4"	16	35	10.4	11.7	42	25.4	28.0	0.126	L24
20	M20 x 1.5	1/2" or 3/4"	16	40	12.5	14.0	44	30.0	33.0	0.167	L30
25	M25 x 1.5	3/4" or 1"	16	60	17.8	20.0	48	37.6	41.4	0.260	L38
32	M32 x 1.5	1" or 1 1/4"	16	80	23.5	26.3	53	46.0	50.6	0.396	L46
40	M40 x 1.5	1 1/4"or 1 1/2"	16	130	28.8	32.2	54	55.0	60.5	0.600	L55
50	M50 x 1.5	2"	16	400	39.4	44.1	54	65.0	71.5	0.710	L65
63	M63 x 1.5	2 1/2"	19	425	50.0	56.0	55	80.0	88.0	1.054	L80
75	M75 x 1.5	3"	19	425	60.8	68.0	60	90.0	99.0	1.318	L90
80	M80 x 2	3 or 3 1/2"	25	425	64.4	72.0	80	104.0	115.2	2.734	L104
85	M85 x 2	3 or 3 1/2"	25	425	69.8	78.0	80	104.0	115.2	2.282	L104
90	M90 x 2	3 1/2" or 4"	25	425	75.1	84.0	85	114.0	125.7	2.854	L114
100	M100 x 2	3 1/2" or 4"	25	425	80.5	90.0	85	114.0	125.7	2.453	L114

hazardous area ATEX glands

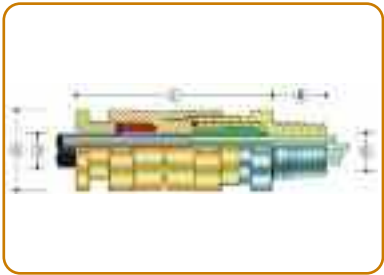
CABLE GLAND TYPE CR (featuring “CROCLOCK”)

“CR” type glands certified Flameproof Ex d, Increased Safety Ex e and Restricted Breathing Ex nR are suitable for use in Zone 1, Zone 2, Zone 21, Zone 22 and in Gas Groups IIA, IIB, IIC

They provide a controlled Ex d and IP displacement seal on the cable inner sheath minimising damage to cables that exhibit “cold flow” characteristics, an environmental seal on the outer sheath, and “CROCLOCK” a unique non reversible multi clamping system for wire (W), braid (X) or tape (Z) armoured cables

The gland maintains IP66 and IP68 to 25 metres and is deluge proof without the use of an additional seal or deluge boot

It is supplied with an available with an IP O-ring seal as standard on metric entry threads and options are available for use with lead sheath, LSOH cables and extreme temperature applications



Materials: Brass or Stainless Steel

Plating: Nickel-Zinc

Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 61241-0, EN 61241-1

Standard: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1, IEC 60529

Gland rated to: IP66 and IP68 (25 metres - 30 minutes), NEMA 4X & DTS01 1991

Operating temperature range: -20°C to +85°C with Neoprene Seals, -60°C to +180°C with Silicone Seals

Certification:

ATEX: II 2GD Ex d IIC / Ex e II / EX tD A21 / II 3GD Ex nR II (Certificate No: BAS 01ATEX2271X & SIRA 09ATEX1221X)

IECEx: Ex d IIC / EX e II / EX tD A21 (Certificate No: SIR 07.0099X)

GOST-R: Ex d IIC / EX e II IU (Certificate No: POCC GB.r606.B00853)

CSA: CSA Ex d I & IIC Class I Zone I / Class I Division 2, Groups A,B, C & D / Class II Division 2, Groups E, F & G / Class III I, Enclosure Types 3,4 & 4X (Certificate No: CSA 1356011)

NEPSI: Ex d IIC / Ex e II (Certificate No: GYJ06189X)

INMETRO: BR - Ex d IIC / EX e II / EX nR II / EX tD A21 (Certificate No: NCC 5877/09 X)

ABS: 1-1-4/7.7, 4-8-3/1.7, 4-8-3/13 and 4-8-4/27.5 MODU Rules 4-3-3/9 (Certificate No: 09-LD463991-PDA)

LLOYD'S: Enclosure Systems (Part 1B) (Certificate No: 10/00056)

LRMS: Part XI of Rules for sea-going ships (ed.2008) (Certificate No: 09.00784.01 I)

gland & thread size				cable acceptance details mm							L		gland dimensions mm			
gland size	entry thread size		ISO thread B	inner sheath		outer sheath		reduced		armour acceptance range	nom. prot. length	across flats	across corner A	weight kgs	shroud size	
	metric	npt		C min	C max	D min	D max	D min	D max							
16	M20 x 1.5	1/2" or 3/4"	16	3.4	8.4	9.0	13.5	6.7	10.0	0.15-1.25	85	25.4	28.0	0.180	EL24	
20S	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	12.9	16.0	9.4	12.5	0.15-1.25	85	25.4	28.0	0.171	EL24	
20	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	15.5	21.1	12.0	17.6	0.15-1.25	85	30.0	33.0	0.251	EL30	
25	M25 x 1.5	3/4" or 1"	16	13.5	20.0	20.3	27.4	16.8	23.9	0.15-1.60	95	37.6	41.4	0.414	EL38	
32	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	26.7	34.0	23.2	30.5	0.15-2.00	115	46.0	50.6	0.762	EL46	
40	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	33.0	40.6	28.6	36.2	0.20-2.00	120	55.0	60.5	1.100	EL55	
50S	M50 x 1.5	1 1/2" or 2"	16	28.1	38.2	39.4	46.7	34.8	42.4	0.20-2.50	135	65.0	71.5	1.797	EL65	
50	M50 x 1.5	2"	16	33.1	44.1	45.7	53.2	41.1	48.5	0.30-2.50	135	65.0	71.5	1.390	EL65	
63S	M63 x 1.5	2" or 2 1/2"	19	39.2	50.1	52.1	59.5	47.5	54.8	0.30-2.50	135	80.0	88.0	2.551	EL80	
63	M63 x 1.5	2 1/2"	19	46.7	56.0	58.4	65.8	53.8	61.2	0.30-2.50	135	80.0	88.0	2.053	EL80	
75S	M75 x 1.5	2 1/2" or 3"	19	52.1	62.0	64.8	72.2	60.2	68.0	0.30-2.50	140	90.0	99.0	2.917	EL90	
75	M75 x 1.5	3"	19	58.0	68.0	71.1	78.0	66.5	73.4	0.30-2.50	140	90.0	99.0	2.343	EL90	
80	M80 x 2	3 or 3 1/2"	25	62.2	72.0	77.0	84.0	-	-	0.45-3.15	170	104.0	115.2	4.885	EL104	
80H	M80 x 2	3 or 3 1/2"	25	62.2	72.0	79.6	90.0	-	-	0.45-3.15	170	104.0	115.2	4.885	EL104	
85	M85 x 2	3 or 3 1/2"	25	69.0	78.0	79.6	90.0	75.0	85.4	0.45-3.15	170	104.0	115.2	4.038	EL104	
90	M90 x 2	3 1/2" or 4"	25	74.0	84.0	88.0	96.0	-	-	0.45-3.15	170	114.0	125.7	4.996	EL114	
90H	M90 x 2	3 1/2" or 4"	25	74.0	84.0	92.0	102.0	-	-	0.45-3.15	170	114.0	125.7	4.996	EL114	
100	M100 x 2	3 1/2" or 4"	25	82.0	90.0	92.0	102.0	87.4	97.4	0.45-3.15	170	114.0	125.7	4.362	EL114	

hazardous area ATEX glands

DELUGE PROOF IP68 GLAND KIT

For unarmoured and braided cable, this brass indoor and outdoor cable gland is for use in hazardous areas.

Suitable for circular unarmoured cables with extruded oversheath and fitted with silicone rubber low smoke, zero halogen seal.

Achieves IP66, IP68 (1 bar) and deluge proof (OTS01:1991) seal onto cable and to enclosure with suitable sealing washer or thread sealant.

Suitable for most climatic conditions - weatherproof, waterproof and deluge proof.

Dual seal option (A2EXP), nicked plated versions also available and matching accessory kits all available to order.

Suitable for use in Zones 0, I & 2 with EEx ia IIA, B & C equipment, Zones I & 2 with EEx ib IIA, B & C equipment, Zones I & 2 with EEx e II equipment, Zones 2 with EEx nA II equipment, Zones 2I & 22 with ExtdA2I.



Kit comprises: 2 each of A2EX Gland, Brass locknut, PVC shroud

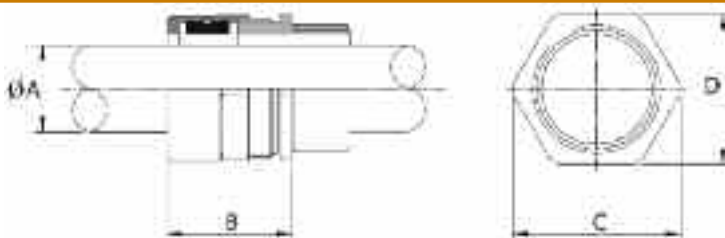
Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, EN 61241-1

Standard: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-0, IEC 61241-1

Gland rated to: IP66, IP68

Operating temperature range: -50°C to +200°C

Certification: II 2GO, EEx e II & EEx d IIC under ATEX directive 94/9/EC / IECEx SIR IO.0069x (Certificate No: Sira99ATEX1086X)

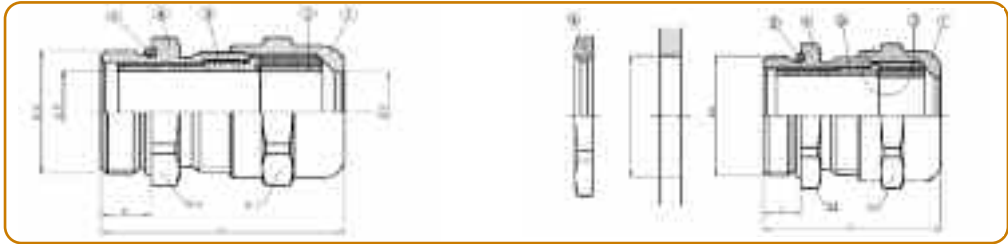


gland references & thread sizes			cable diameter A mm		gland dimensions mm		
gland size	cat no	thread size	min	max	approx length B	Hexagon size A/C C	A/F D
20SS	A2EX20SSK	M20 x 1.5	3.5	8.5	36	24.9	22.0
20S	A2EX20SK	M20 x 1.5	8.0	11.5	36	24.9	22.0
20	A2EX20K	M20 x 1.5	8.0	16.0	34	28.7	25.7
25	A2EX25K	M25 x 1.5	11.5	21.0	44	36.9	33.0
32	A2EX32K	M32 x 1.5	18.5	27.5	38	42.2	37.5
40	A2EX40K	M40 x 1.5	24.0	34.0	46	53.6	47.2
50	A2EX50K	M50 x 1.5	31.0	41.0	44	61.5	56.4
63	A2EX63K	M63 x 1.5	40.0	52.5	61	77.2	70.0
75S	A2EX75SK	M75 x 1.5	52.5	58.0	46	87.4	80.0
75	A2EX75K	M75 x 1.5	54.5	65.5	66	87.4	80.0

hazardous area ATEX glands

CABLE GLAND SIB-TEC Ex e

Material: Brass
Plating: Nickel
Type of protection: Ex e
Compliance: EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1
Device group & category: II 2 & 3
Atmospheres: G / D
Zones: 1, 2, 21, 22
Gland rated to: IP66, IP68
Operating temperature range: -40°C to +100°C
Available in standard and long thread



threads	clamping range	H1 mm	H4 mm	W mm	L mm	cat no	quantity	lock nuts	quantity
M12	4.5-6.5	14	14	5	25	C5210000E	1	D4312109	50
M16	5-9.5	17	17	5	28	C5216000E	1	D4316107	50
M20	8-13	22	22	6	32	C5222000E	1	D4320104	50
M25	9-16	27	27	7	35	C5225000E	1	D4325109	20
M32	12-21	34	34	8	38	C5232000E	1	D4332107	20
M40	16-27	42	42	8	41	C5240000E	1	D4340102	20
M50	23-35	55	55	9	46	C5250000E	1	D4350101	10
M63	36-48	65	65	10	54	C5263000E	1	D4363101	5

WITH REDUCTION SEAL INSERT

threads	clamping range	H1 mm	H4 mm	W mm	L mm	cat no	quantity	lock nuts	quantity
M12	3.5-5	14	14	5	25	C5210040E	1	D4312109	50
M16	4-7	17	17	5	28	C5216040E	1	D4316107	50
M20	5-10	22	22	6	32	C5222040E	1	D4320104	50
M25	6-13	27	27	7	35	C5225040E	1	D4325109	20
M32	8-17	34	34	8	38	C5232040E	1	D4332107	20
M40	11-22	42	42	8	41	C5240040E	1	D4340102	20
M50	18-29	55	55	9	46	C5250040E	1	D4350101	10
M63	29-40	65	65	10	54	C5263040E	1	D4363101	5

hazardous area ATEX glands

threads	clamping range	H1 mm	H4 mm	W mm	L mm	cat no	quantity	lock nuts	quantity
PG07	4.5-6.5	14	14	5	25	C5007000E	50	D4007104	50
PG09	5-9.5	17	17	6	29	C5009000E	50	D4009108	50
PG11	7-11.5	20	20	6	30	C5011000E	50	D4011101	50
PG13	8-13	22	22	6.5	32.5	C5013000E	50	D4013105	50
PG16	9-15	24	24	6.5	34	C5016000E	50	D4016106	25
PG21	12-19	30	30	7	35	C5021000E	20	D4021100	20
PG29	17-26	40	40	8	38	C5029000E	20	D4029106	15
PG36	23-34.5	50	50	9	42	C5036000E	10	D4036104	10
PG42	28-40	58	58	10	47	C5042000E	5	D4042105	10
PG48	36-48	65	65	10	54	C5048000E	5	D4048107	10
PG48 DIN	36-48	65	65	10	54	C5049000E	5	D4049104	10

WITH REDUCTION SEAL INSERT

threads	clamping range	H1 mm	H4 mm	W mm	L mm	cat no	quantity	lock nuts	quantity
PG07	3.5-5	14	14	5	25	C5007400E	50	D4007104	50
PG09	4-7	17	17	6	29	C5009400E	50	D4009108	50
PG11	4-8.5	20	20	6	30	C5011400E	50	D4011101	50
PG13	5-10	22	22	6.5	32.5	C5013400E	50	D4013105	50
PG16	6-12	24	24	6.5	34	C5016400E	50	D4016106	25
PG21	9-16	30	30	7	35	C5021400E	20	D4021100	20
PG29	12-21	40	40	8	38	C5029400E	20	D4029106	15
PG36	17-28	50	50	9	42	C5036400E	10	D4036104	10
PG42	23-34	58	58	10	47	C5042400E	5	D4042105	10
PG48	29-40	65	65	10	54	C5048400E	5	D4048107	10
PG48 DIN	29-40	65	65	10	54	C5049400E	5	D4049104	10

threads	clamping range	H1 mm	H4 mm	W mm	L mm	cat no	quantity
3/8" NPT	5-9.5	17	18	15	38	C5408000E	1
1/2" NPT	8-13	22	23	20	46	C5412000E	1
3/4" NPT	9-16	27	28	20	48	C5420000E	1
1" NPT	12-21	34	36	25	55	C5428000E	1

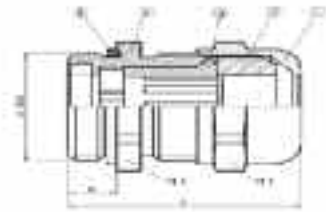
WITH REDUCTION SEAL INSERT

threads	clamping range	H1 mm	H4 mm	W mm	L mm	cat no	quantity
3/8" NPT	4-7	17	18	15	38	C5408400E	1
1/2" NPT	5-10	22	23	20	46	C5412400E	1
3/4" NPT	6-13	27	28	20	48	C5420400E	1
1" NPT	8-17	34	36	25	55	C5428400E	1

hazardous area ATEX glands

STAINLESS CABLE GLAND WADI-TEC Ex e ECEA GSE

Material: Stainless Steel 316L
Type of protection: Ex e
Compliance: EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1
Device group & category: II 2 & 3
Atmospheres: G / D
Zones: 1, 2, 21, 22
Gland rated to: IP66, IP68
Operating temperature range: -20°C to +80°C



threads	clamping range	H mm	W mm	L mm	cat no	quantity	lock nuts	quantity
M12	3-6	14	13	33	R4231200E	50	D7812920	50
M16	3-6	14	13	33	R4231640E	50	D7816920	50
M16	5-8	17	13	33	R4231600E	50	D7816920	50
M20	6-10	20	13	34	R4232040E	50	D7820920	50
M20	8-12	22	13	35	R4232000E	50	D7820920	50
M25	9.5-14	24	14	37	R4232540E	20	D7825920	20
M25	11.5-18	30	14	43	R4232500E	20	D7825920	20
M32	11.5-18	30	14.5	44	R4233240E	20	D7832920	20
M32	15-24	40	14.5	51	R4233200E	20	D7832920	20
M40	15-24	40	14.5	51	R4234040E	10	D7840920	20
M50	23-30	50	15.5	57	R4235040E	10	D7850920	10
M63	36-35	58	16.5	64	R4236340E	5	D7863920	5

threads	clamping range	H mm	W mm	L mm	cat no	quantity	lock nuts	quantity
PG07	3-6	14	15	34	R4210700E	50	D4007104	50
PG09	5-8	17	15	34	R4210900E	50	D4009108	50
PG11	6-10	20	15	35	R4211100E	50	D4011101	50
PG13	8-12	22	15	36.5	R4211300E	50	D4013105	50
PG16	9.5-14	24	15	38.5	R4211600E	50	D4016106	25
PG21	11.5-24	30	15	43	R4212100E	20	D4021100	20
PG29	15.5-24	40	15	50	R4212900E	20	D4029106	15
PG36	23-30	50	18	59	R4213600E	10	D4036104	10
PG42	26-35	58	18	65	R4214200E	5	D4042105	10
PG48 NFC	35-40	64	18	67	R4214800E	5	D4048107	10
PG48 DIN	35-40	64	18	67	R4214900E	5	D4049104	10

hazardous area ATEX glands

CABLE GLAND Ex d/e IF

Material: Brass

Plating: Nickel

Type of protection: Ex d/e

Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, EN 61241-1

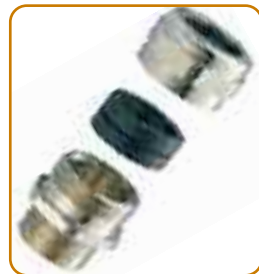
Device group & category: II C 2 & 3

Atmospheres: G / D

Zones: 1, 2, 21, 22

Gland rated to: IP66, IP68

Operating temperature range: -40°C to +100°C



Also available on request with sealing ring and packing rings in viton for unarmoured cable

Has sealing on the outer sheath of the cable and a clamping device is applied.

Suitable for operating temperatures of -20°C to +200°C.



threads	no	cat no	min-max	H1 mm	H2 mm	W mm	L mm
M12	4	4111129	4-8	17	17	16	42
M16	4	4111159	4-8	20	17	16	42
M16	5	4111169	7-12	20	20	16	39
M20	5	4111209	7-12	24	20	16	39
M25	5	4111259	7-12	28	20	16	39
M20	6	4111219	9-16	24	24	16	43
M25	6	4111269	9-16	28	24	16	43
M25	7	4111279	13-20.5	30	30	16	44
M32	7	4111329	13-21	36	30	16	44
M32	8	4111339	17-27	40	40	16	61
M40	8	4111409	17-27.5	44	40	16	61
M40	9	4111419	22-34	48	48	16	67
M50	9	4111509	22-34	55	48	16	67
M50	10	4111519	28-41	55	55	16	72
M63	11	4111639	34-47.5	65	64	16	82
M63	12	4111649	39-54	70	70	16	84
M75	12	4111759	39-54	80	70	16	84
M75	13	4111769	48-65	85	90	18	100
M80	13	4111809	48-65	85	90	18	100
M80	14	4111819	55-71	95	100	20	112
M90	14	4111909	55-71	95	100	20	112
M90	15	4111919	65-83	110	125	22	123
M100	15	4111989	65-79	110	125	22	123
M100	16	4111999	74-89	120	125	22	123

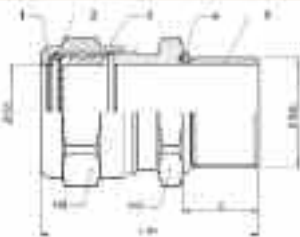
hazardous area ATEX glands

CABLE GLAND Ex d/e IF

Material: Brass
Plating: Nickel
Type of protection: Ex d/e
Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN61241-0, EN 61241-1
Device group & category: II C 2 & 3
Atmospheres: G / D
Zones: 1, 2, 21, 22
Gland rated to: IP66, IP68
Operating temperature range: -40°C to +100°C



Also available on request with sealing ring and packing rings in viton for unarmoured cable.
Has sealing on the outer sheath of the cable and a clamping device is applied.
Suitable for operating temperatures of -20°C to +200°C.

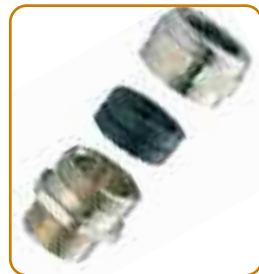


threads	no	cat no	min-max	H1 mm	H2 mm	W mm	L mm
1/4"	4	4131029	4-8	17	17	42	16
3/8"	4	4131039	4-8	20	17	42	16
1/2"	4	4131049	4-8	24	17	46	20
3/8"	5	4131059	7-12	20	20	39	16
1/2"	5	4131109	7-12	24	20	43	20
3/4"	5	4131209	7-12	28	20	43	16
1/2"	6	4131119	9-16	24	24	47	20
3/4"	6	4131219	9-16	28	24	47	20
3/4"	7	4131229	13-20.5	30	30	48	20
1"	7	4131309	13-21	36	30	53	25
1"	8	4131319	17-27	40	40	70	25
1 1/4"	8	4131349	17-27.5	44	40	70	25
1 1/4"	9	4131359	22-34	48	48	76	25
1 1/2"	9	4131369	22-34	55	48	77	26
1 1/2"	10	4131379	28-41	55	55	82	26
2"	11	4131409	34-47.5	68	64	83	27
2"	12	4131419	39-53.5	70	70	95	27
2 1/2"	12	4131459	39-54	80	70	108	40
2 1/2"	13	4131469	48-64.5	85	90	122	40
3"	14	4131509	55-71	95	100	134	42
3"	15	4131519	65-79	110	125	143	42
3 1/2"	15	4131559	65-79	110	125	144	43
3 1/2"	16	4131569	74-89	120	125	144	43

hazardous area ATEX glands

CABLE GLAND Ex e 1F

Material: Brass
 Plating: Nickel
 Type of protection: Ex e
 Compliance: EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1
 Device group & category: II
 Atmospheres: G / D
 Zones: 1, 2, 21, 22
 Gland rated to: IP66, IP68
 Operating temperature range: -40°C to +100°C



Available on request with sealing ring and packing rings in viton for unarmoured cable.
 Has sealing on the outer sheath of the cable and a clamping device is applied.
 Suitable for operating temperatures of -20°C to +200°C.
 Also available in 3F and 4F exd/e



threads	no	cat no	min-max	H1 mm	H2 mm	W mm	L mm
PG07	4	4121079	4-8	17	17	16	42
PG09	5	4121099	7-12	20	20	16	39
PG11	5	4121119	7-12	22	20	16	39
PG13	5	4121139	7-12	24	20	16	39
PG13	6	4121149	9-16	24	24	16	43
PG16	6	4121169	9-16	26	24	16	43
PG21	7	4121219	13-20.5	30	30	16	44
PG29	8	4121299	17-27	40	40	16	61
PG29	9	4121309	22-32	48	48	16	67
PG36	9	4121369	22-34	50	48	16	67
PG36	10	4121379	28-41	55	55	16	72
PG42	11	4121429	34-47	64	64	16	82
PG48	12	4121489	39-53	70	70	16	84
G2 1/2"	13	4121509	48-65	85	90	18	100
G3"	14	4121539	55-71	95	100	20	112
G3"	15	4121549	65-77	110	125	22	123
G3 1/2"	15	4121559	65-79	110	125	22	123
G3 1/2"	16	4121569	74-89	120	125	22	123

hazardous area ATEX glands

CABLE GLAND SIB-TEC Ex e

Material: Polyamide

Type of protection: Ex e

Compliance: EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1

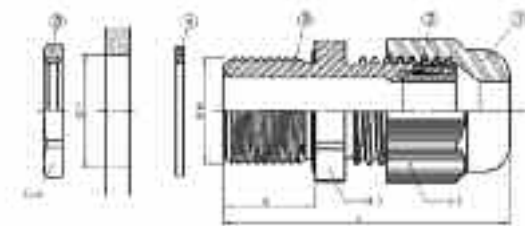
Device group & category: II 2 & 3

Atmospheres: G / D

Zones: 1, 2, 21, 22

Gland rated to: IP68

Operating temperature range: M12 -20°C to +80°C / M16-M63 -35°C to +95°C



threads	clamping range	H mm	W mm	L mm	cat no		qty	sealing ring	lock nuts
					RAL 5012	RAL 9005			
M12	4-6.5	15	8	32	F7421200E	F8021200E	50	D9412002	D4312109
M16	5-8	19	10	37	F7421650E	F8021650E	50	D9109001	D4316107
M16	5-10	22	10	39	F7421600E	F8021600E	50	D9109001	D4316107
M20	7-12	24	10	40	F7422050E	F8022050E	50	D9420007	D4320104
M20	10-14	27	10	43	F7422000E	F8022000E	50	D9420007	D4320104
M25	10-14	27	10	45	F7422550E	F8022550E	50	D9425002	D4325109
M25	12-18	33	10	49	F7422500E	F8022500E	20	D9425002	D4325109
M32	16-25	42	10	52	F7423200E	F8023200E	20	D9432000	D4332107
M40	22-32	53	10	62	F7424000E	F8024000E	10	D9440005	D4340102
M50	28-38.5	60	12	67	F7425000E	F8025000E	5	D9450004	D4350101
M63	40-48	70	12	68	F7426300E	F8026300E	5	D9463004	D4363101

threads	clamping range	H mm	W mm	L mm	cat no		qty	sealing ring	lock nuts
					RAL 5012	RAL 9005			
PG09	5-8	19	8	35	F7400900E	F8000900E	50	D9109001	D4009108
PG11	5-10	22	8	37	F7401100E	F8001100E	50	D9111004	D4011101
PG13.5	7-12	24	9	39	F7401300E	F8001300E	50	D9113008	D4013105
PG16	10-14	27	10	43	F7401600E	F8001600E	50	D9116009	D4016106
PG21	12-18	33	11	50	F7402100E	F8002100E	20	D9121003	D4021100
PG29	16-25	42	11	53	F7402900E	F8002900E	20	D9129009	D4029106
PG36	22-32	53	13	65	F7403600E	F8003600E	10	D9136007	D4036104
PG42	28-38.5	60	13	68	F7404200E	F8004200E	5	D9142008	D4042105
PG48	40-48	70	14	70	F7404900E	F8004900E	5	D9148000	D4049104

hazardous area ATEX glands

CABLE GLAND SIB-TEC Ex e with reduction seal insert

Material: Polyamide

Type of protection: Ex e

Compliance: EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1

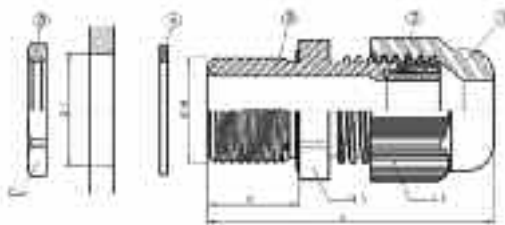
Device group & category: II 2 & 3

Atmospheres: G / D

Zones: 1, 2, 21, 22

Gland rated to: IP68

Operating temperature range: M12 -20°C to +80°C / M16-M63 -35°C to +95°C



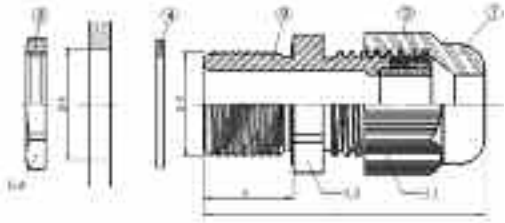
threads	clamping range	H mm	W mm	L mm	cat no		qty	sealing ring	lock nuts
					RAL 5012	RAL 9005			
M12	3-5	15	8	32	F7421240E	F8021240E	50	D9412002	D4312109
M16	4-6	19	10	37	F7421660E	F8021660E	50	D9109001	D4316107
M16	4-7	22	10	39	F7421640E	F8021640E	50	D9109001	D4316107
M20	5-9	24	10	40	F7422060E	F8022060E	50	D9420007	D4320104
M20	8-12	27	10	43	F7422040E	F8022040E	50	D9420007	D4320104
M25	8-12	27	10	45	F7422560E	F8022560E	50	D9425002	D4325109
M25	10-16	33	10	49	F7422540E	F8022540E	20	D9425002	D4325109
M32	14-21	42	10	52	F7423240E	F8023240E	20	D943200	D4332107
M40	16-26	53	10	62	F7424040E	F8024040E	10	D9440005	D4340102
M50	20-31	60	12	67	F7425040E	F8025040E	5	D9450004	D4350101
M63	30-39	70	12	68	F7426340E	F8026340E	5	D9463004	D4363101

threads	clamping range	H mm	W mm	L mm	cat no		qty	sealing ring	lock nuts
					RAL 5012	RAL 9005			
PG09	4-6	19	8	35	F7400940E	F8000940E	50	D9109001	D4009108
PG11	4-7	22	8	37	F7401140E	F8001140E	50	D9111004	D4011101
PG13.5	5-9	24	9	39	F7401340E	F8001340E	50	D9113008	D4013105
PG16	8-12	27	10	43	F7401640E	F8001640E	50	D9116009	D4016106
PG21	10-16	33	11	50	F7402140E	F8002140E	20	D9121003	D4021100
PG29	14-21	42	11	53	F7402940E	F8002940E	20	D9129009	D4029106
PG36	14-26	53	13	65	F7403640E	F8003640E	10	D9136007	D4036104
PG42	20-31	60	13	68	F7404240E	F8004240E	5	D9142008	D4042105
PG48	30-39	70	14	70	F7404940E	F8004940E	5	D9148000	D4049104

hazardous area ATEX glands

PLASTIC CABLE GLAND SIB-TEC Ex e with long thread

Material: Polyamide
Type of protection: Ex e
Compliance: EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1
Device group & category: II 2 & 3
Atmospheres: G / D
Zones: 1, 2, 21, 22
Gland rated to: IP68
Operating temperature range: M12 -20°C to +80°C / M16-M63 -35°C to +95°C



threads	clamping range	H mm	W mm	L mm	cat no		qty	sealing ring	lock nuts
					RAL 5012	RAL 9005			
M12	4-6.5	15	15	39	F7431200E	F8031200E	50	D9412002	D4312109
M16	5-8	19	15	42	F7431650E	F8031650E	50	D9109001	D4316107
M16	5-10	22	15	44	F7431600E	F8031600E	50	D9109001	D4316107
M20	7-12	24	15	45	F7432050E	F8032050E	50	D9420007	D4320104
M20	10-14	27	15	48	F7432000E	F8032000E	50	D9420007	D4320104
M25	10-14	27	15	50	F7432550E	F8032550E	20	D9425002	D4325109
M25	12-18	33	15	53	F7432500E	F8032500E	20	D9425002	D4325109
M32	16-25	42	15	57	F7433200E	F8033200E	20	D9432000	D4332107
M40	22-32	53	16	68	F7434000E	F8034000E	20	D9440005	D4340102
M50	28-38.5	60	16	71	F7435000E	F8035000E	5	D9450004	D4350101
M63	40-48	70	16	72	F7436340E	F8036300E	5	D9463004	D4363101

threads	clamping range	H mm	W mm	L mm	cat no		qty	sealing ring	lock nuts
					RAL 5012	RAL 9005			
M12	3-5	15	15	39	F7431240E	F8031240E	50	D9412002	D4312109
M16	4-6	19	15	42	F7431660E	F8031660E	50	D9109001	D4316107
M16	4-7	22	15	44	F7431640E	F8031640E	50	D9109001	D4316107
M20	5-9	24	15	45	F7432060E	F8032060E	50	D9420007	D4320104
M20	8-12	27	15	48	F7432040E	F8032040E	50	D9420007	D4320104
M25	8-12	27	15	50	F7432560E	F8032560E	20	D9425002	D4325109
M25	10-16	33	15	53	F7432540E	F8032540E	20	D9425002	D4325109
M32	14-21	42	15	57	F7433240E	F8033240E	20	D9432000	D4332107
M40	16-26	53	16	68	F7434040E	F8034040E	20	D9440005	D4340102
M50	20-31	60	16	71	F7435040E	F8035040E	10	D9450004	D4350101
M63	30-39	70	16	72	F7436300E	F8036340E	5	D9463004	D4363101

hazardous area ATEX glands

PLASTIC CABLE GLAND SIB-TEC Ex e

Material: Polyamide

Type of protection: Ex e

Compliance: EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1

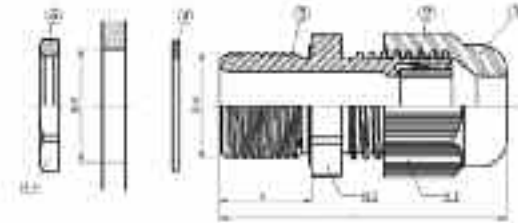
Device group & category: II 2 & 3

Atmospheres: G / D

Zones: 1, 2, 21, 22

Gland rated to: IP68

Operating temperature range: -35°C to +95°C



threads	clamping range	H mm	W mm	L mm	cat no		quantity
					RAL 5012	RAL 9005	
3/8" NPT	5-8	19	11	38	F7440800E	F8040800E	50
1/2" NPT	7-12	24	14	44	F7441200E	F8041200E	50
3/4" NPT	12-18	33	15	54	F7442000E	F8042000E	20
1" NPT	16-25	42	18	60	F7442800E	F8042800E	20

threads	clamping range	H mm	W mm	L mm	cat no		quantity
					RAL 5012	RAL 9005	
3/8" NPT	4-8	19	11	38	F7440840E	F8040840E	50
1/2" NPT	5-9	24	14	44	F7441240E	F8041200E	50
3/4" NPT	10-16	33	15	54	F7442040E	F8042040E	20
1" NPT	14-21	42	18	60	F7442840E	F8042840E	20

section 4

mineral glands

mineral glands

MICC CABLE GLANDS / POT SEALS / POT SEALS EARTH TAILS

Precision manufactured RGM glands are designed to be used on mineral insulated cables. The glands are compatible with zones 1 and 2 for EExd flameproof enclosures.

Material: Brass

Compliance: approved by BASEEFA in accordance with EU directive 94/9EC-ATEX

Standard: ATEX Zones 1 & 2 EExd

cable size	gland cat no	quantity
2L1.0	RGM2L1.0	10
2L1.5	RGM2L1.5	10
2L2.5	RGM2L2.5	10
2L4.0	RGM2L4.0	10
3L1.0	RGM3L1.0	10
3L1.5	RGM3L1.5	10
3L2.5	RGM3L2.5	10
4L1.0	RGM4L1.0	10
4L1.5	RGM4L1.5	10
4L2.5	RGM4L2.5	10



cable size	pot seal cat no	quantity
2L1.0	RPS2L1.0	10
2L1.5	RPS2L1.5	10
2L2.5	RPS2L2.5	10
2L4.0	RPS2L4.0	10
3L1.0	RPS3L1.0	10
3L1.5	RPS3L1.5	10
3L2.5	RPS3L2.5	10
4L1.0	RPS4L1.0	10
4L1.5	RPS4L1.5	10
4L2.5	RPS4L2.5	10



cable size	pot seal & earth tail cat no	quantity
2L1.0	RPSL2L1.0	10
2L1.5	RPSL2L1.5	10
2L2.5	RPSL2L2.5	10
2L4.0	RPSL2L4.0	10
3L1.0	RPSL3L1.0	10
3L1.5	RPSL3L1.5	10
3L2.5	RPSL3L2.5	10
4L1.0	RPSL4L1.0	10
4L1.5	RPSL4L1.5	10
4L2.5	RPSL4L2.5	10



FIRE CABLE CLIPS AND SADDLES

Fire Cable Clips and Saddles are designed for use on mineral insulated or soft skin fire cables.

Materials: Bare Copper or LSZH coated

Compliance: Reach Compliant / LSZH

Standard: tested for the requirements in London Underground Ltd Standard Number 2-01001-002 Fire safety performance of materials and vertical burn test UL94 V0, V1 and V2

Colours: available in black, orange, red and white, special colours available to order



clip size	one hole 'P' clips cat no		cable diameter range mm		quantity
	bare clip	coated clip	min	max	
20	RC20	RCHL20	5.0	5.4	50
22	RC22	RCHL22	5.5	5.9	50
24	RC24	RCHL24	6.0	6.4	50
26	RC26	RCHL26	6.5	6.9	50
28	RC28	RCHL28	7.0	7.4	50
30	RC30	RCHL30	7.5	7.9	50
32	RC32	RCHL32	8.0	8.4	50
34	RC34	RCHL34	8.5	9.0	50
37	RC37	RCHL37	9.1	10.0	50
40	RC40	RCHL40	10.1	10.7	50
43	RC43	RCHL43	10.8	11.7	50
47	RC47	RCHL47	11.8	12.7	50
51	RC51	RCHL51	12.8	13.5	50

clip size	two hole 'saddle' clips cat no		cable diameter range mm		quantity
	bare clip	coated clip	min	max	
202	RS202	RSFL202	4.7	5.2	50
222	RS222	RSFL222	5.3	5.7	50
242	RS242	RSFL242	5.8	6.2	50
272	RS272	RSFL272	6.3	6.9	50
302	RS302	RFLS302	7.0	7.7	50
342	RS342	RSFL342	7.8	9.0	50
382	RS382	RSFL382	9.1	9.7	50
422	RS422	RSFL422	9.8	10.7	50
462	RS462	RSFL462	10.8	11.8	50

cable size	'P' clip size		'saddle' size	
	MICC	FP200	MICC	FP200
2 core 1.0mm ²	26	32	272	302
3 core 1.0mm ²	28	32	302	302
4 core 1.0mm ²	30	32	342	342
2 core 1.5mm ²	28	32	302	302
3 core 1.5mm ²	30	32	342	342

cable size	'P' clip size		'saddle' size	
	MICC	FP200	MICC	FP200
4 core 1.5mm ²	34	37	342	382
2 core 2.5mm ²	32	37	342	382
3 core 2.5mm ²	34	40	342	382
4 core 2.5mm ²	37	43/47	342	422
2 core 4.0mm ²	37	43/47	422	422

mineral glands

MICC CABLE GLAND SHROUDS

MICC Cable Gland Shrouds are available in four sizes, M20, M25, M32 and M40 and they are manufactured in three materials.

Materials: PVC / Low Smoke PVC to UL94-V1 / Zero Halogen LSF silicone
Colours: standard colours of Red, White, Orange and Black with other colours available to order

* indicate colour code when ordering R, W, O, B



size	pvc cat no	quantity	ls pvc cat no	quantity	lsf cat no	quantity
1-M20	M120*	100	M120*LS	100	M120*LST	100
2-M25	M125*	50	M125*LS	50	M125*LST	50
3-M32	M132*	20	M132*LS	20	M132*LST	20

MICC ACCESSORIES - CONDUCTOR SLEEVING

Designed for use on mineral conductors. Sold in 3 metre lengths.

Materials: PVC / Low Smoke PVC to UL94-V1 / Zero Halogen LSF silicone
Operating temperature range: maximum 105°C and Silicone maximum 150°C
Colours: Black, Red and Green/Yellow

* indicate colour code when ordering R, W, O, B



cable size	coil length	temperature range	
		105°C	150°C
1.0 / 1.5	3m	RZP1.5*	RZE1.5*
2.5	3m	RZP2.5*	RZE2.5*
4.0	3m	RZP4.0*	RZE4.0*
6.0	3m	RZP6.0*	RZE6.0*

MICC ACCESSORIES - RMX SEALING COMPOUND

Designed for a wide range of electrical applications and is used for filling cavities, making airtight and watertight joints.

Material: manufactured from non oxidizing oil based compound

Operating temperature range: continuous up to 150°C

RMX1: 166g pack size



MICC TOOLING - JOYSTRIPPER

The joystripper is used for stripping the cable sheath on popular cable sizes including 2LI, 2LI.5, 2L2.5, 3LI, 3LI.5, 4L, 4LI.5

Replacement blades available.

Cat no: ZSJ / ZSJB

**MICC TOOLING - ROTARY STRIPPER**

The rotary stripper can be used on all cable sizes.

Replacement blades available.

Cat no: ZSU / ZSUB

**MICC TOOLING - RINGING TOOL**

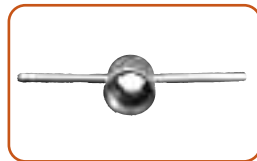
Ringing tool for cutting MICC cable neatly.

Cat no: ZR

**MICC TOOLING - POT WRENCH TOOL**

Pot wrench tool ensures quick accurate screwing of the brass pot and is used in conjunction with the appropriate RGM cable gland.

Cat no: ZPM + size of seal

**MICC TOOLING - RATCHET WRENCH**

An easy fit ratchet wrench tool for screwing on brass seal pots 20mm size.

Cat no: ZRP

**MICC TOOLING**

This is a low cost tool having a life of approximately 100 operations.

The tool locks on to position by three crimp indentations.

Cat no: ZDD + size of seal

**MICC TOOLING - HAND CRIMPER**

Hand crimper tool is robust long life product that applies three point crimping action to the brass pot seal, securely locking the cap into position.

Cat no: ZDC20



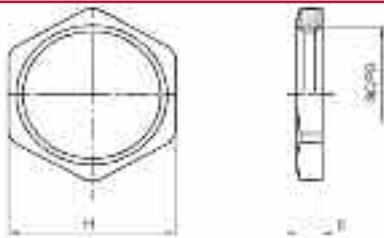
section 5

cable gland accessories

cable gland accessories

BRASS LOCKNUT

Material: Brass with nickel plating
Compliance: EN 60 423
Guide UTE: 68312



thread	H mm	W mm	cat no	quantity
M6 x 100	8	3.5	D4306108	100
M8 x 125	11	3.5	D4308102	100
M8 x 125	13	3.5	D4308101	100
M10 x 150	12	3.5	D4310105	100
M12 x 150	15	3	D4312109	50
M16 x 150	20	3	D4316107	50
M20 x 150	24	3.5	D4320104	50
M25 x 150	30	3.5	D4325109	20
M32 x 150	35	4.5	D4332107	20
M40 x 150	45	4.5	D4340102	20
M50 x 150	55	5.5	D4350101	10
M63 x 150	70	6	D4363101	5
M75 x 150	80	8	D4375104	1

thread	H mm	W mm	cat no	quantity
PG 07	15	2.9	D4007104	50
PG 09 DIN	18	2.9	D4008101	50
PG 09 NFC	19	2.9	D4009108	50
PG 11	21	3.1	D4011101	50
PG 13	23	3.1	D4013105	50
PG 16	26	3.1	D4016106	25
PG 21	32	3.6	D4021100	20
PG 29	41	4.1	D4029106	15
PG 36	51	5.1	D4036104	10
PG 42	60	5.1	D4042105	10
PG 48 NFC	64	6.1	D4048107	10
PG 48 DIN	64	5.6	D4049104	10

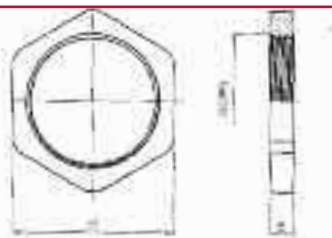
cable gland accessories

STAINLESS LOCKNUT

Material: Stainless 316L with nickel plating

Compliance: EN 60 423

Guide UTE: 68312



thread	H mm	W mm	cat no	quantity
M12 x 150	15	3	D7812920	50
M16 x 150	19	3	D7816920	50
M20 x 150	24	3.5	D7820920	50
M25 x 150	30	3.5	D7825920	20
M32 x 150	35	4.5	D7832920	20
M40 x 150	45	4.5	D7840920	20
M50 x 150	55	5.5	D7850920	10
M63 x 150	70	6	D7863920	5
M75 x 150	80	8	D7875920	1

thread	H mm	W mm	cat no	quantity
PG 07	15	2.9	D7806910	50
PG 09	19	2.9	D7808913	50
PG 11	21	3.1	D7810916	50
PG 13	23	3.1	D7812910	60
PG 16	26	3.1	D7814914	50
PG 21	32	3.6	D7818912	20
PG 29	42	4.1	D7824913	20
PG 36	57	5.1	D7830914	10
PG 42	60	5.1	D7835919	5
PG 48 NFC	65	6.1	D7840910	5
PG 48 DIN	65	5.6	D7841910	5

cable gland accessories

SHROUDS

A range of shrouds are available in various materials to compliment our range of glands.

Materials: available in Polyvinylchloride (PVC), Polychloroprene (PCP) and Low Smoke Halogen Free Silicone (LSOH).



order size	temperature
PVC	-25°C to +70°C
PCP	-30°C to +100°C
LSOH	-60°C to +200°C

EARTHING NUTS

P-Nuts earthing nuts speed up the installation of cable glands by replacing the earth tag and lock nut to provide a high integrity earth connection.

The unique cutting teeth of the earth nut bite into box wall, enabling the gland to be tightened with one tool from outside and no extra drilling required which saves time and doesn't compromise enclosure IP rating.

Facilitates a direct connection for protective earthing and may be used with a lock ring for direct earth connection to metal conduit in place of coupler and bush.

Materials: solid Brass construction



cat no	size mm	quantity
PEN20	20	10
PEN25	25	10
PEN32	32	4
PEN40	40	2
PEN50	50	2
PEN63	63	1
PEN75	75	1

cable gland accessories

LOCKNUTS

Locknuts are recommended for securing external entry threads into equipment.

Materials: available in brass, plated brass, stainless steel, aluminium and nylon

Sizes M10 to M100, PG7 to PG48 and BSPP/BSPT are available on request



ISO thread	min thickness mm	min A/F	mini A/C	weight kgs	NPT thread	min thickness mm	min A/F	min A/C
M16 x 1.5	4.0	22.0	24.2	0.772	1/2"	3.2	27.0	29.7
M20 x 1.5	4.0	24.0	26.4	0.683	3/4"	4.0	30.5	33.5
M25 x 1.5	4.0	30.0	33.0	1.027	1"	5.0	38.1	41.9
M32 x 1.5	4.0	40.0	44.0	2.020	1 1/4"	5.5	50.0	55.0
M40 x 1.5	4.5	50.0	55.0	3.435	1 1/2"	6.0	60.0	66.0
M50 x 1.5	5.0	65.0	71.5	6.997	2"	7.0	75.0	82.5
M63 x 1.5	6.5	75.0	82.5	9.369	2 1/2"	9.0	90.0	99.0
M75 x 1.5	7.0	90.0	99.0	14.871	3"	9.0	104.8	115.3
M80 x 2	9.0	90.0	99.0	15.140	3 1/2"	10.0	114.3	125.7
M85 x 2	9.0	104.8	115.3	27.518	4"	10.0	140.0	152.4
M90 x 2	9.0	104.8	115.3	23.256				
M100 x 2	9.0	114.3	125.7	25.256				

EARTH TAGS

Earth Tags are recommended for providing an earth bond connection for an entry component into the equipment.

Materials: available in brass, plated brass, stainless steel and aluminium

Compliance: EN 50262 category B

Sizes M10 to M100, PG7 to PG48 and BSPP/BSPT are available on request



ISO thread	min thickness mm	nominal centres	bolt hole diameter	weight kgs/100	NPT thread	min thickness mm	nominal centres	bolt hole diameter
M16	1.5	31.8	6.9	0.746	1/2"	1.5	33.0	6.9
M20	1.5	33.0	6.9	0.672	3/4"	1.5	36.5	6.9
M25	1.5	36.5	6.9	0.797	1"	1.5	42.5	11.8
M32	1.5	42.5	11.8	1.476	1 1/4"	1.5	45.4	13.5
M40	1.5	45.4	13.5	2.089	1 1/2"	1.5	58.1	13.5
M50	1.5	58.1	13.5	3.729	2"	1.5	66.8	13.5
M63	1.5	66.8	13.5	4.898	2 1/2"	1.5	73.0	13.5
M75	1.5	73.0	13.5	5.220	3"	1.5	90.0	13.5
M80	1.5	73.0	13.5	4.647	3 1/2"	1.5	112.0	13.5
M85	1.5	90.0	13.5	7.658	4"	1.5	120.0	13.5
M90	1.5	90.0	13.5	6.669				
M100	1.5	112.0	13.5	10.305				

cable gland accessories

IP WASHERS

In order to maintain the integrity of an enclosure greater than IP54, washers are recommended to be installed at the gland entry interface.

Materials: Fibre, Nylon Neoprene and PTFE

Colours: red or white

Sizes M10 to M100, PG7 to PG48 and BSPP/BSPT are available on request

Operating temperature range: -40°C to +95°C for Fibre, -40°C to +135°C for Nylon, -200°C to +260°C for PTFE



ISO thread	thickness nylon	thickness fibre	outside diameter	weight kgs/100	NPT thread	thickness nylon	thickness fibre	outside diameter
M16	2.0	1.5	25.0	0.116	1/2"	2.0	1.5	30.0
M20	2.0	1.5	29.4	0.164	3/4"	2.0	1.5	38.0
M25	2.0	1.5	38.1	0.257	1"	2.0	1.5	46.3
M32	2.0	1.5	42.5	0.341	1 1/4"	2.0	1.5	55.5
M40	2.0	1.5	52.0	0.386	1 1/2"	2.0	1.5	60.0
M50	2.0	1.5	65.0	0.594	2"	2.0	1.5	79.4
M63	2.0	1.5	79.4	0.794	2 1/2"	2.0	1.5	90.5
M75	2.0	1.5	90.5	0.868	3"	2.0	1.5	114.3
M80	2.0	1.5	104.8	0.839	3 1/2"	2.0	1.5	114.3
M85	2.0	1.5	104.8	0.698	4"	2.0	1.5	146.0
M90	2.0	1.5	114.3	0.913				
M100	2.0	1.5	114.3	0.512				

SERRATED WASHERS

Serrated or "shake proof" washers act as anti-vibration devices to prevent the cable gland or other cable entry device and locknut arrangement from loosening.

It can also be used as an earth enhancing device on painted enclosures.

Material: Stainless Steel

Sizes M10 to M100 are available on request



ISO thread	min thickness	outside diameter	weight kgs/100	NPT thread	min thickness	outside diameter
M16	1.5	25.5	0.262	1/2"	1.5	35.4
M20	1.5	32.4	0.560	3/4"	1.5	43.4
M25	1.5	37.4	0.675	1"	1.5	52.0
M32	1.5	48.0	1.042	1 1/4"	1.5	59.5
M40	1.5	60.0	1.730	1 1/2"	1.5	71.0
M50	1.5	71.0	2.154	2"	1.5	87.0
M63	1.5	87.0	3.259	2 1/2"	1.5	102.0
M75	1.5	102.0	4.189	3"	1.5	125.0
M80	1.5	120.0	6.880	3 1/2"	1.5	140.0
M85	1.5	125.0	6.550	4"	1.5	155.0
M90	1.5	125.0	6.233			
M100	1.5	140.0	7.985			

cable gland accessories

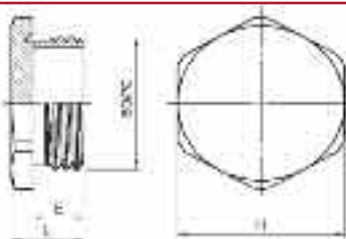
HEXAGONAL PLUGS

Material: Brass with nickel plating

Compliance: EN 60 423

Guide UTE: 68312

Rated to: IP68



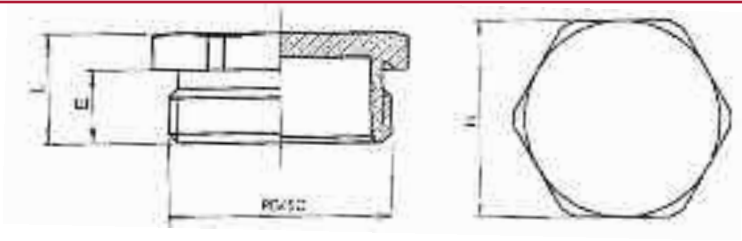
thread	H mm	W mm	L mm	cat no	quantity
M12	14	7	10	D4812104	50
M16	17	7	10	D4816102	50
M20	23	7	10	D4820109	50
M25	29	8	11.5	D4825104	20
M32	39	8.5	12.5	D4832102	20
M40	45	8.5	12.5	D4840107	20
M50	58	9.5	14.5	D4850106	10
M63	70	10.5	17.5	D4863106	5
M75	80	11.5	19.5	D4875109	1

thread	H mm	W mm	L mm	cat no	quantity
PG 07	14	5	8	D4607106	100
PG 09	17	6	9	D4609100	100
PG 11	19	6	9	D4611103	100
PG 13	21	6.5	9.5	D4613107	100
PG 16	23	6.5	9.5	D4616108	100
PG 21	29	7	11	D4621102	50
PG 29	39	8	12	D4629108	50
PG 36	50	9	14	D4636106	10
PG 42	58	10	15	D4642107	1
PG 48 NFC	64	11	17	D4648109	1
PG 48 DIN	64	10	16	D4649106	1

cable gland accessories

STAINLESS HEXAGONAL PLUGS

Material: Stainless 316L with nickel plating
Compliance: EN 60 423
Guide UTE
Rated to: IP68



thread	H mm	W mm	L mm	cat no	quantity
M12 x 150	14	7	10	D7891240	50
M16 x 150	17	7	10	D7891640	50
M20 x 150	23	7	10	D7891040	50
M25 x 150	29	8	11.5	D7892540	20
M32 x 150	39	8.5	12.5	D7893240	20
M40 x 150	45	8.5	12.5	D7894040	20
M50 x 150	58	9.5	14.5	D7895040	10
M63 x 150	70	10.5	17.5	D7896340	5

thread	H mm	W mm	L mm	cat no	quantity
PG 09	17	6	9	D7890940	50
PG 11	19	6	9	D7891140	50
PG 13	21	6.5	9.5	D7891340	50
PG 16	23	6.5	9.5	D7891740	50
PG 21	29	7	11	D7892140	20
PG 29	39	8	12	D7892940	20

cable gland accessories

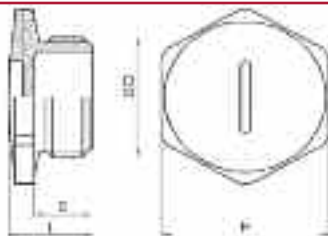
POLYAMIDE HEXAGONAL PLUGS

Material: Polyamide 6 glassfibre, free of halogen, 25% reinforced. Seal: Neoprene

Compliance: EN 60 423

Rated to: IP68

Operating temperature range: -30°C to +120°C

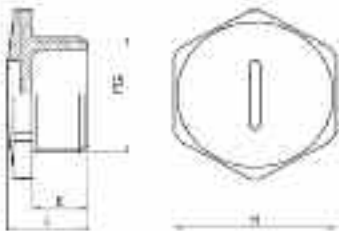


thread	H mm	W mm	L mm	cat no		quantity
				RAL 7035	RAL 9005	
M12	16	8	11.0	G4812210	G4812220	50
M16	20	8	12.0	G4816210	G4816220	50
M20	26	9	13.0	G4820210	G4820220	50
M25	32	10	15.0	G4825210	G4825220	25
M32	40	11	16.5	G4832210	G4832220	15
M40	48	12	18.0	G4840210	G4840220	10
M50	55	13	21.0	G4850210	G4850220	10
M63	70	15	24.5	G4863210	G4863220	10

cable gland accessories

POLYCARBONATE HEXAGONAL PLUGS

Material: Polycarbonate, free of halogen. Seal: Neoprene
Compliance: GUIDE UTE 683 I I
Rated to: IP65 without thread sealing
Operating temperature range: -40°C to +135°C



thread	H mm	W mm	L mm	cat no		quantity
				RAL 7035	RAL 9005	
PG 07	15	6.5	10.0	G4607007	H4607014	100
PG 09	19	7.0	10.5	G4609001	H4609018	100
PG 11	22	8.0	11.5	G4611004	H4611011	100
PG 13	24	9.0	12.5	G4613008	H4613015	100
PG 16	27	9.0	12.5	G4616009	H4616016	100
PG 21	32	10.0	14.5	G4621003	H4621010	50
PG 29	41	12.0	18.0	G4629009	H4629016	50
PG 36	55	14.0	21.5	G4636007	H4636014	20
PG 42	60	15.5	24.5	G4642008	H4642015	25
PG 48	65	16.0	25.5	G4648000	H4648017	25
PG 48 DIN	65	16.0	26.0	G4649007	H4649014	25

EX e PLUGS

thread	H mm	W mm	L mm	cat no	quantity
1/4"	15	15	18	D4606130	50
3/8"	19	15	18	D4608130	50
1/2"	23	20	23	D4612130	50
3/4"	29	20	24	D4620130	20
1"	36	25	29	D4628130	20
1 1/4"	45	25	29	D4635130	20
1 1/2"	50	26	31	D4641130	10
2"	64	27	33	D4647130	5
2 1/2"	80	40	48	D4650130	1
3"	100	40	48	D4660130	1
4"	125	45	55	D4680130	1

cable gland accessories

EX d/e PLUGS

Material: Brass, nickel plated or stainless steel

Compliance: EN 60079-0, EN 60079-7, EN61241-0, EN 61241-1

Rated to: IP54 / IP68

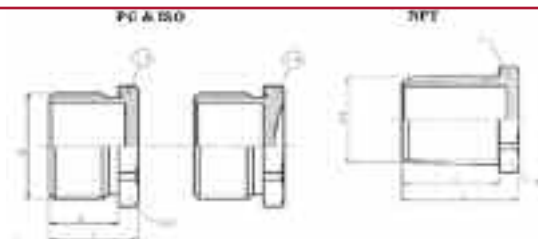
Device Group: II

Category: 2 and 3

Atmospheres: G/D

Zones: 1, 2, 21, 22

Operating temperature range: -20°C to +80°C



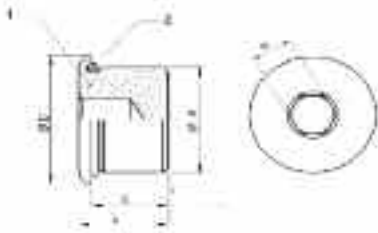
thread	H mm	W mm	L mm	cat no	quantity	sealing ring	quantity	lock nuts	quantity
M12	14	10	13	D4812530	50	D9412002	100	D4312109	50
M16	17	10	13	D4816530	50	D9109001	100	D4316107	50
M20	23	10	13	D4820530	50	D9420007	100	D4320104	50
M25	29	10	13.5	D4825530	20	D9425002	100	D4325109	20
M32	39	10	14	D4832530	20	D9432000	100	D4332107	20
M40	45	15	19	D4840530	20	D9440005	100	D4340102	20
M50	58	15	20	D4850530	10	D9450004	100	D4350101	10
M63	70	19	26	D4863530	5	D9463004	100	D4363101	5
M75	80	24	32	D4875530	5	D9475007	100	D4375104	5

thread	H mm	W mm	L mm	cat no	quantity	sealing ring	quantity	lock nuts	quantity
PG 07	14	10	13	D4607530	50	D9107007	100	D4007104	50
PG 09	17	10	13	D4609530	50	D9109001	100	D4009108	50
PG 11	19	10	13	D4611530	50	D9111004	100	D4011101	50
PG 13	21	10	13	D4613530	50	D9113008	100	D4013105	50
PG 16	23	10	13	D4616530	50	D9116009	100	D4016106	25
PG 21	29	12	16	D4621530	20	D9121003	100	D4021100	20
PG 29	39	12	16	D4629530	20	D9129009	100	D4029106	15
PG 36	50	14	18.5	D4636530	10	D9136007	100	D4036104	10
PG 42	58	16	21	D4642530	5	D9142008	100	D4042105	10
PG 48	64	16	22	D4648530	5	D9148000	100	D4048107	10
PG 48 DIN	64	16	22	D4649530	5	D9148000	100	D4049104	10

cable gland accessories

EX d/e PLUGS

Material: Brass nickel plated
Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN61241-0, EN 61241-1
Rated to: IP54 / IP68
Device Group: II/C
Category: 2 and 3
Atmospheres: G/D
Zones: 1, 2, 21, 22
Operating temperature range: -40°C to +100°C



thread	D mm	H mm	W mm	L mm	cat no	quantity	lock nuts	quantity
M12	16	6	15	17.5	D8912110	1	D4312109	50
M16	20	10	15	17.5	D8916110	1	D4316107	50
M20	24	10	15	17.5	D8920110	1	D4320104	50
M25	30	10	15	17.5	D8925110	1	D4325109	20
M32	36	15	15	17.5	D8932110	1	D4332107	20
M40	45	15	15	17.5	D8940110	1	D4340102	20
M50	55	20	15	18	D8950110	1	D4350101	10
M63	70	20	15	18	D8963110	1	D4363101	5
M75	80	20	15	18	D8975110	1	D4375104	1

thread	D mm	H mm	W mm	L mm	cat no	quantity	lock nuts	quantity
PG 07	16	6	15	17.5	D8907110	1	D4007104	50
PG 09	20	10	15	17.5	D8909110	1	D4009108	50
PG 11	22	10	15	17.5	D8911110	1	D4011101	50
PG13	24	10	15	17.5	D8913110	1	D4013105	50
PG 16	27	10	15	17.5	D8916110	1	D4016106	25
PG 21	32	15	15	17.5	D8921110	1	D4021100	20
PG 29	42	15	15	18	D8929110	1	D4029106	15
PG 32	52	15	15	18	D8936110	1	D4036104	10
PG 42	60	20	15	18	D8942110	1	D4042105	10
PG 48 DIN	65	20	15	18.5	D8949110	1	D4049104	10
PG 48 NFC	65	20	15	18.5	D8948110	1	D4048107	10

cable gland accessories

EX d/e PLUGS

Material: Brass nickel plated

Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, EN 61241-1

Rated to: IP54 / IP68

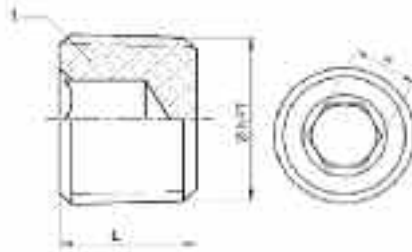
Device Group: II/C

Category: 2 and 3

Atmospheres: G/D

Zones: I, 2, 21, 22

Operating temperature range: -40°C to +100°C

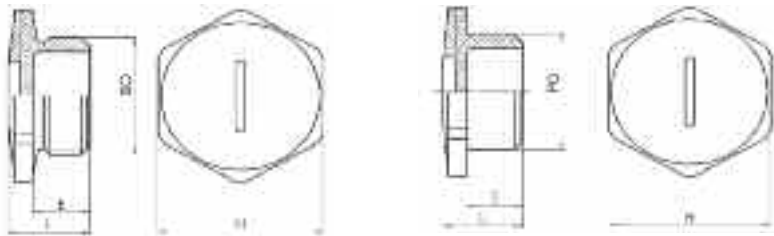


thread	H mm	L mm	cat no	quantity
1/4" NPT	6	16	D8906100	1
3/8" NPT	8	16	D8908100	1
1/2" NPT	10	16	D8914100	1
3/4" NPT	10	16	D8919100	1
1" NPT	15	18	D8928100	1
1 1/4" NPT	15	18	D8935100	1
1 1/2" NPT	15	20	D8941100	1
2" NPT	20	20	D8947100	1
2 1/2" NPT	20	22	D8951100	1
3" NPT	20	22	D8961100	1

cable gland accessories

PLASTIC PLUGS Ex e

Material: Polyamide 6 Fv / Polycarbonate.
Compliance: EN 60079-0, EN 60079-7, EN60079-31
Rated to: IP68
Device Group: II
Category: 2 and 3
Atmospheres: G/D
Zones: 1, 2, 21, 22
Operating temperature range: -35°C to +95°C



thread	H mm	W mm	L mm	cat no RAL 9005	quantity	sealing ring	lock nuts
M12	16	8	11	G4812220E	50	D9412002	D4312109
M16	20	8	12	G4816220E	50	D9109001	D4316107
M20	26	9	13	G4820220E	50	D9420007	D4320104
M25	32	10	15	G4825220E	25	D9425002	D4325109
M32	40	11	16.5	G4832220E	15	D9432000	D4332102
M40	48	12	18	G4840220E	10	D9440005	D4340102
M50	55	13	21	G4850220E	10	D9450004	D4350101
M63	70	15	24.5	G4863220E	10	D9463004	D4363101

thread	H mm	W mm	L mm	cat no RAL7035	cat no RAL9005	quantity	sealing ring	lock nuts
PG 09	19	10	13.4	G8900302	H8900302	100	D9109001	D4108108
PG 11	22	10	13.8	G8900906	H8900906	100	D9111004	D4110101
PG 13	24	10	13.5	G8901002	H8901002	100	D9113008	D4112105
PG 16	27	10	13.5	G8900401	H8900401	100	D9116009	D4114109
PG 21	32	12	16.5	G8901101	H8901101	50	D9121003	D4118107
PG 29	41	12	18.0	G8900500	H8900500	50	D9129009	D4124108
PG 25	55	14	19.5	G8900609	H8900609	25	D9136007	D4130109
PG 42	60	16	23.5	G8900708	H8900708	25	D9142008	D4135104
PG 48 NFC	50	16	25.5	G8900807	H8900807	25	D9148000	D4140108

section 6

industrial & hazardous area ATEX adaptors
& reducers

industrial & hazardous area ATEX adaptors & reducers

REDUCER Ex e

Materials: Polyamide 6 Fv / Polycarbonate
Type of protection: Ex e
Compliance: EN 60079-0, EN 60079-7, EN61241-0, EN 61241-1
Rated to: IP54 / IP68
Device Group: II
Category: 2 and 3
Atmospheres: G/D
Zones: 1, 2, 21, 22
Operating temperature range: -20°C to +55°C



threads M1	threads M2	H mm	W mm	L mm	cat no RAL7001	cat no RAL9005	sealing ring	lock nuts	quantity
M16	M12	20	8	11.0	G6161290E	G6161210E	D9109001	D4316107	50
M20	M16	24	9	12.0	G6201690E	G6201610E	D9420007	D4320104	50
M25	M20	30	10	13.5	G6252090E	G6252010E	D9425002	D4325109	50
M32	M25	36	11	15.0	G6322590E	G6322510E	D9432000	D4332107	25
M40	M32	44	12	16.0	G6403290E	G6403210E	D9440005	D4340102	10
M50	M40	55	13	18.0	G6504090E	G6504010E	D9450004	D4350101	10
M63	M50	70	15	21.0	G6635090E	G6635010E	D9463004	D4363101	10

threads PG1	threads PG2	H mm	W mm	L mm	cat no RAL7035	sealing ring	lock nuts	quantity
PG 13	PG 11	24	9.0	22.0	G8911315	D9113008	D4112105	50
PG 16	PG 13	27	9.0	21.0	G8911612	D9116009	D4114109	50
PG 16	PG 11	27	9.0	14.0	G8911629	D9116009	D4114109	50
PG 21	PG 16	32	11.3	16.3	G8912114	D9121003	D4118107	20
PG 21	PG 13	32	11.0	16.0	G8912121	D9121003	D4118107	20
PG 21	PG 11	32	11.0	16.0	G8912138	D9121003	D4118107	20
PG 29	PG 21	41	12.0	18.0	G8912916	D9129009	D4124108	20
PG 29	PG 16	41	12.0	18.2	G8912923	D9129009	D4124108	20
PG 29	PG 13	41	12.0	18.3	G8912930	D9129009	D4124108	20
PG 36	PG 29	50	14.0	23.0	G8913616	D9136007	D4130109	10
PG 36	PG 21	55	14.0	21.0	G8913623	D9136007	D4130109	10
PG 36	PG 16	50	14.0	19.3	G8913630	D9136007	D4130109	10
PG 42	PG 29	55	16.0	23.0	G8914224	D9142008	D4135104	5
PG 42	PG 21	55	16.0	22.0	G8914231	D9142008	D4135104	5
PG 48	PG 29	60	16.0	22.0	G8914835	D9148000	D4135108	5

industrial & hazardous area ATEX adaptors & reducers

ENLARGER Ex e

Materials: Polyamide 6 Fv / Polycarbonate

Type of protection: Ex e

Compliance: EN 60079-0, EN 60079-7, EN 61241-0, EN 61241-1

Rated to: IP54 / IP68

Device Group: II

Category: 2 and 3

Atmospheres: G/D

Zones: 1, 2, 21, 22

Operating temperature range: -20°C to +55°C



threads M1	threads M2	H mm	W mm	L mm	cat no RAL7001	cat no RAL9005	sealing ring	lock nuts	quantity
M12	M16	20	8	19	G5121690E	G5121610E	D4312109	D9412002	50
M16	M20	24	8	20	G5162090E	G4165010E	D4316107	D9109001	50
M20	M25	30	9	22	G5202590E	G5202510E	D4320104	D9420007	50
M25	M32	36	10	24	G5253290E	G5253210E	D4325109	D9425002	25
M32	M40	44	11	26	G5324090E	G5324010E	D4332107	D9432000	10
M40	M50	55	12	28	G5405090E	G5405010E	D4340102	D9440005	10
M50	M63	70	13	32	G5506390E	G5506310E	D4350101	D9450004	10

threads PG1	threads PG2	H mm	W mm	L mm	cat no RAL7035	sealing ring	lock nuts	quantity
PG 11	PG 13	24	9	23.5	G8921116	D4110101	D9111004	50
PG 13	PG 16	27	9	23.0	G8921314	D4112105	D9113008	50
PG 16	PG 21	32	10	25.5	G8921611	D4114109	D9116009	50
PG 21	PG 29	41	10	28.5	G8922113	D4118107	D9121003	20

industrial & hazardous area ATEX adaptors & reducers

REDUCER Ex d/e

Materials: brass nickle plated

Type of protection: Ex d/e

Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, EN 61241-1

Rated to: IP66 / IP68

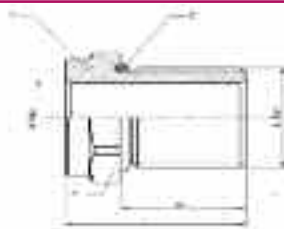
Device Group: II / C

Category: 2 and 3

Atmospheres: G/D

Zones: 1, 2, 21, 22

Operating temperature range: -40°C to +100°C



threads	H mm	W mm	L mm	cat no	quantity	lock nuts	quantity
M16 - M12	18	16	22	D8716125	1	D4316107	50
M20 - M12	24	16	23	D8720125	1	D4320104	50
M20 - M16	24	16	23	D8720165	1	D4320104	50
M25 - M16	28	16	23	D8725165	1	D4325109	20
M25 - M20	28	16	23	D8725205	1	D4325109	20
M32 - M20	36	16	24	D8732205	1	D4332107	20
M32 - M25	36	16	24	D8732255	1	D4332107	20
M40 - M25	44	16	24	D8740255	1	D4340102	20
M40 - M32	44	16	24	D8740325	1	D4340102	20
M50 - M32	55	16	26	D8750325	1	D4350101	10
M50 - M40	55	16	26	D8750425	1	D4350101	10
M63 - M40	70	16	28	D8763405	1	D4363101	5
M63 - M50	70	16	28	D8763505	1	D4363101	5
M75 - M50	80	16	28	D8775505	1	D4375104	1
M75 - M63	80	16	28	D8775635	1	D4375104	1
M90 - M63	95	20	35	D8790635	1	D4390100	1
M90 - M75	95	20	35	D8790755	1	D4390100	1
M100 - M75	110	22	38	D8799755	1	D4399100	1
M100 - M90	110	22	38	D8799905	1	D4399100	1

industrial & hazardous area ATEX adaptors & reducers

threads	H mm	W mm	L mm	cat no	quantity
3/4" - 1/2"	28	20	26	D8719141	1
1" - 1/2"	36	25	33	D8728141	1
1" - 3/4"	36	25	33	D8728191	1
1 1/4" - 3/4"	44	25	35	D8735191	1
1 1/4" - 1"	44	25	35	D8735281	1
1 1/2" - 1"	50	26	36	D8741281	1
1 1/2" - 1 1/4"	50	26	36	D8741351	1
2" - 1 1/4"	64	27	39	D8747351	1
2" - 1 1/2"	64	27	39	D8747411	1
2" - 1"	64	27	39	D8747281	1
3" - 2"	95	42	57	D8761471	1
3" - 2 1/2"	95	42	57	D8761511	1

threads	H mm	W mm	L mm	cat no	quantity	lock nuts	quantity
PG 09 - PG 07	18	16	23	D8709075	1	D4009108	50
PG 11 - PG 07	22	16	23	D8711075	1	D4011101	50
PG 11 - PG 09	22	16	23	D8711095	1	D4011101	50
PG 13 - PG 09	24	16	23	D8713095	1	D4013105	50
PG 13 - PG 11	24	16	38	D8713115	1	D4013105	50
PG 16 - PG 11	26	16	23	D8716115	1	D4016106	25
PG 16 - PG 13	26	16	38	D8716135	1	D4016106	25
PG 21 - PG 13	30	16	23	D8721135	1	D4021100	20
PG 21 - PG 16	30	16	23	D8721165	1	D4021100	20
PG 29 - PG 16	40	16	23	D8729165	1	D4029106	15
PG 29 - PG 21	40	16	23	D8729215	1	D4029106	15
PG 36 - PG 21	50	16	26	D8736215	1	D4036104	10
PG 36 - PG 29	50	16	26	D8736295	1	D4036104	10
PG 42 - PG 29	60	16	28	D8742295	1	D4042105	10
PG 42 - PG 36	60	16	28	D8742365	1	D4042105	10
PG 48 - PG 36	64	16	28	D8749365	1	D4049104	10
PG 48 - PG 42	64	16	40	D8749425	1	D4049104	10
PG 48 - PG 36	64	16	28	D8748365	1	D4048107	10
PG 48 - PG 42	64	16	40	D8748425	1	D4048107	10

industrial & hazardous area ATEX adaptors & reducers

ENLARGER Ex d/e

Materials: brass nickle plated
Type of protection: Ex d/e
Compliance: EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, EN 61241-1
Rated to: IP66 / IP68
Device Group: II / C
Category: 2 and 3
Atmospheres: G/D
Zones: 1, 2, 21, 22
Operating temperature range: -40°C to +100°C



threads	H mm	W mm	L mm	cat no	quantity	cat no	quantity
M12 - M16	19	15	37	D8812165	1	D4312109	50
M16 - M20	23	15	37	D8816205	1	D4316107	50
M20 - M25	28	15	37	D8820255	1	D4320104	50
M25 - M32	36	15	38	D8825325	1	D4325109	20
M32 - M40	44	15	38	D8832405	1	D4332107	20
M40 - M50	55	15	39	D8840505	1	D4340102	20
M50 - M63	70	16	41	D8850635	1	D4350101	10
M63 - M75	80	17	45	D8863755	1	D4363101	5
M75 - M90	95	18	52	D8875905	1	D4375104	1
M90 - M100	110	22	56	D8890995	1	D4390100	1

industrial & hazardous area ATEX adaptors & reducers

thread type	thread	cat no	pitch	TPI	major dia	thread length	gland min A/C	max clear'ce hole dia
NPS ANSI B1.20.1	1/2"	050NPS	1.81	14.0	20.90	19.9	26.5	21.66
	3/4"	075NPS	1.81	14.0	26.26	20.1	33.0	27.14
	1"	100NPS	2.20	11.5	32.84	25.0	41.4	33.95
	1 1/4"	125NPS	2.20	11.5	41.61	25.6	50.6	42.61
	1 1/2"	150NPS	2.20	11.5	47.67	26.0	60.5	48.50
	2"	200NPS	2.20	11.5	59.72	26.9	71.5	60.31
	2 1/2"	250NPS	3.18	8.0	72.16	39.9	88.0	75.88
	3"	300NPS	3.18	8.0	88.06	41.5	99.0	88.58
	3 1/2"	350NPS	3.18	8.0	100.78	42.8	115.2	101.03
	4"	400NPS	3.18	8.0	113.43	44.0	125.7	113.73

thread type	thread	cat no	pitch	TPI	major dia	thread length	gland min A/C	max clear'ce hole dia
ISO pipe parallel ISO R/7 BS2779 (BSPP, G, R & PF)	1/2"	050BSP	1.81	14.0	20.96	16.0	26.5	21.66
	3/4"	075BSP	1.81	14.0	26.44	16.0	33.0	27.14
	1"	100BSP	2.31	11.0	33.25	20.0	41.4	33.95
	1 1/4"	125BSP	2.31	11.0	41.91	20.0	50.6	42.61
	1 1/2"	150BSP	2.31	11.0	47.80	20.0	60.5	48.50
	2"	200BSP	2.31	11.0	59.61	20.0	71.5	60.31
	2 1/2"	250BSP	2.31	11.0	75.18	20.0	88.0	75.88
	3"	300BSP	2.31	11.0	87.88	20.0	99.0	88.58
	3 1/2"	350BSP	2.31	11.0	100.33	20.0	115.2	101.03
	4"	400BSP	2.31	11.0	113.03	20.0	125.7	113.73

thread type	thread	thread	pitch	TPI	major dia	thread length	gland min A/C	max clear'ce hole dia
ISO metric IEC 60423	M16	M16	1.50	16.93	15.97	16.0	26.5	16.7
	M20	M20	1.50	16.93	19.97	16.0	33.0	20.7
	M25	M25	1.50	16.93	24.97	16.0	41.4	25.7
	M32	M32	1.50	16.93	31.97	16.0	50.6	32.7
	M40	M40	1.50	16.93	39.97	16.0	60.5	40.7
	M50	M50	1.50	16.93	40.97	16.0	71.5	50.7
	M63	M63	1.50	16.93	62.97	19.0	88.0	63.7
	M75	M75	1.50	16.93	74.97	19.0	99.0	75.7
	M80	M80	2.00	12.70	79.97	25.0	115.2	81.0
	M85	M85	2.00	12.70	84.97	25.0	115.2	86.0
	M90	M90	2.00	12.70	89.97	25.0	125.7	91.0
	M100	M100	2.00	12.70	99.97	25.0	125.7	101.0

industrial & hazardous area ATEX adaptors & reducers

thread type	thread	cat no	pitch	TPI	major dia	thread length	gland min A/C	max clear'ce hole dia
NPT ANSI B1.20.1	1/2"	050NPT	1.81	14.0	21.3	19.9	26.5	22.04
	3/4"	075NPT	1.81	14.0	26.67	20.1	33.0	27.37
	1"	100NPT	2.20	11.5	33.40	25.0	41.4	34.10
	1 1/4"	125NPT	2.20	11.5	42.16	25.6	50.6	42.86
	1 1/2"	150NPT	2.20	11.5	48.26	26.0	60.5	48.96
	2"	200NPT	2.20	11.5	60.33	26.9	71.5	61.03
	2 1/2"	250NPT	3.18	8.0	73.03	39.9	88.0	73.73
	3"	300NPT	3.18	8.0	88.90	41.5	99.0	89.60
	3 1/2"	350NPT	3.18	8.0	101.60	42.8	115.2	102.60
	4"	400NPT	3.18	8.0	114.30	44.0	125.7	115.30

thread type	thread	cat no	pitch	TPI	major dia	thread length	gland min A/C	max clear'ce hole dia
PG DIN 40430	PG7	PG7	1.27	20.0	12.50	16.0	26.5	13.20
	PG9	PG9	1.41	18.0	15.20	16.0	26.5	15.90
	PG11	PG11	1.41	18.0	18.60	16.0	26.5	19.30
	PG13	PG13	1.41	18.0	20.40	16.0	26.5	21.10
	PG16	PG16	1.41	18.0	22.50	16.0	33.0	23.20
	PG21	PG21	1.59	16.0	28.30	16.0	41.4	29.00
	PG29	PG29	1.59	16.0	37.00	16.0	50.6	37.70
	PG36	PG36	1.59	16.0	47.00	16.0	60.5	47.70
	PG42	PG42	1.59	16.0	54.00	16.0	71.5	54.70
	PG48	PG48	1.59	16.0	59.30	16.0	88.0	60.00

thread type	thread	cat no	pitch	TPI	major dia	thread length	gland min A/C	max clear'ce hole dia
ISO pipe taper ISO R/7 BS21 (BSPT & K)	1/2"	050BST	1.81	14.0	20.96	19.9	26.5	21.66
	3/4"	075BST	1.81	14.0	26.44	20.1	33.0	27.14
	1"	100BST	2.31	11.0	33.25	25.0	41.4	33.95
	1 1/4"	125BST	2.31	11.0	41.91	25.6	50.6	42.61
	1 1/2"	150BST	2.31	11.0	47.80	26.0	60.5	48.50
	2"	200BST	2.31	11.0	59.61	26.9	71.5	60.31
	2 1/2"	250BST	2.31	11.0	75.18	39.9	88.0	75.88
	3"	300BST	2.31	11.0	87.88	41.5	99.0	88.58
	3 1/2"	350BST	2.31	11.0	100.33	42.8	115.2	101.03
	4"	400BST	2.31	11.0	113.03	44.0	125.7	113.73

industrial & hazardous area ATEX adaptors & reducers

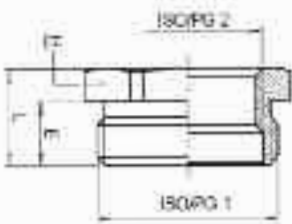
HEXAGONAL REDUCER

Material: brass

Plating: nickel

Compliance: EN 60423

Guide UTE: 68312



threads M1	threads M2	H mm	W mm	L mm	cat no	quantity
M16	M12	20	7	10	D671612I	50
M20	M12	24	7	10	D672012I	50
M20	M16	24	7	10	D672016I	50
M25	M16	30	8	11.5	D672516I	20
M25	M20	30	8	11.5	D672520I	20
M32	M16	36	8.5	12.5	D673216I	20
M32	M20	36	8.5	12.5	D673220I	20
M32	M25	36	8.5	12.5	D673225I	20
M40	M25	42	8.5	12.5	D674025I	20
M40	M32	42	8.5	12.5	D674032I	20
M50	M32	55	9.5	14.5	D675032I	10
M50	M40	55	9.5	14.5	D675040I	10
M63	M40	70	10.5	17.5	D676340I	10
M63	M50	70	10.5	17.5	D676350I	10
M75	M63	80	11.5	19.5	D677563I	1

industrial & hazardous area ATEX adaptors & reducers

threads PG 1	threads PG 2	H mm	W mm	L mm	cat no	quantity
PG 09	PG 07	17	5	8	D6091101	100
PG 11	PG 09	19	6	9	D6111106	100
PB 11	PG 07	19	6	9	D6112103	100
PG 13	PG 11	21	6	9	D6131104	100
PG 13	PG 09	21	6	9	D6132101	100
PG 13	PG 07	21	6	8.5	D6133108	100
PG 16	PG 13	23	6	9	D6161101	100
PG 16	PG 11	23	6	9	D6162108	100
PG 16	PG 09	23	6	9	D6163105	100
PG 21	PG 16	29	7	10	D6211103	50
PG 21	PG 13	29	7	10	D6212100	50
PG 21	PG 11	29	7	10	D6213107	50
PG 21	PG 09	29	7	10	D6214104	50
PG 29	PG 21	39	8	11	D6291105	20
PG 29	PG 16	39	8	11	D6292102	20
PG 29	PG 13	39	8	11	D6293109	20
PG 29	PG 11	39	8	11	D6294106	20
PG 36	PG 29	50	8	11	D6361105	10
PG 36	PG 21	50	8	11	D6362102	10
PG 36	PG 16	50	8	11	D6363109	10
PG 36	PG 13	50	8	11	D6364106	10
PG 42	PG 36	64	10	14	D6421106	5
PG 42	PG 29	64	10	14	D6422103	5
PG 48 NFC	PG 42	64	10	14	D6481100	5
PG 48 NFC	PG 36	64	10	14	D6482107	5
PG 48 NFC	PG 29	64	10	14	D6483104	5
PG 48 NFC	PG 21	64	10	14	D6484101	5
PG 48 NFC	PG 16	64	10	14	D6485108	5
PG 48 DIN	PG 42	64	10	14	D6491109	5
PG 48 DIN	PG 36	64	10	14	D6492106	5
PG 48 DIN	PG 29	64	10	14	D6493103	5
PG 48 DIN	PG 21	64	10	14	D6494100	5
PG 48 DIN	PG 16	64	10	14	D6495107	5

industrial & hazardous area ATEX adaptors & reducers

ENLARGER

Material: brass

Plating: nickel

Compliance: EN 60423

Guide UTE: 68312



threads M1	threads M2	H mm	W mm	L mm	cat no	quantity
M10	M12	14	7	19	D5710121	50
M12	M16	19	7	19	D5712161	50
M16	M20	22	7	19	D5716201	50
M20	M25	28	7	20	D5720251	50
M25	M32	36	8	21.5	D5725321	20
M32	M40	42	8.5	22	D5732401	20
M40	M50	52	8.5	23	D5740501	20
M50	M63	65	9.5	25	D5750631	10
M63	M75	80	10.5	27.5	D5763751	5

threads PG 1	threads PG 2	H mm	W mm	L mm	cat no	quantity
PG 07	PG 09	17	5	12.5	D50711104	50
PG 09	PG 11	20	5	13	D50911102	50
PG 09	PG 13	22	5.5	14	D5092109	50
PG 11	PG 13	22	6	14	D51111107	50
PG 11	PG 16	24	6	14	D5112104	50
PG 11	PG 21	30	6	15	D5113101	50
PG 13	PG 16	24	6	14	D5131105	50
PG 13	PG 21	30	6	15	D5132102	50
PG 16	PG 21	30	6	15	D5161102	50
PG 21	PG 29	39	7	16	D5211104	50
PG 29	PG 36	50	8	19	D5291106	50
PG36	PG 42	64	8	22	D5361106	25
PG 36	PG 48 NFC	64	8	24	D5362103	25
PG 36	PG 48 DIN	64	8	24	D5363100	25
PG 42	PG 48 NFC	64	10	26	D5421107	25
PG 42	PG 48 DIN	64	10	26	D5422104	1

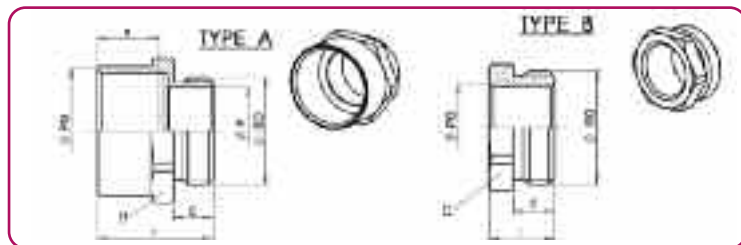
industrial & hazardous area ATEX adaptors & reducers

ADAPTER ISO - PG

Material: brass

Plating: nickel

Compliance: EN 60423 / NFC 68312



threads	type	H mm	W mm	L mm	cat no	quantity
M12-PG07	A	14	7	17	J7512070	50
M16-PG07	B	18	7	10.5	J7516070	50
M16-PG09	A	18	7	17.5	J7516090	50
M16-PG11	A	20	7	18	J7516110	50
M16-PG13	A	22	7	19.5	J7516130	50
M16-PG16	A	24	7	21.5	J7516160	50
M20-PG09	B	22	7	11	J7520090	50
M20-PG11	A	22	7	18	J7520110	50
M20-PG13	A	22	7	19.5	J7520130	50
M20-PG16	A	24	7	20.5	J7520160	50
M20-PG21	A	32	7	22.5	J7520210	50
M25-PG09	B	27	8	12	J7525090	20
M25-PG11	B	27	8	12	J7525110	20
M25-PG13	B	27	8	12	J7525130	20
M25-PG16	A	27	8	21.5	J7525160	20
M25-PG21	A	32	8	23	J7525210	20
M25-PG29	A	40	8	25	J7525290	20
M32-PG13	B	34	8.5	12.5	J7532130	20
M32-PG16	B	34	8.5	12.5	J7532160	20
M32-PG21	A	34	8.5	23.5	J7532210	20
M32-PG21	B	34	8.5	12.5	J7532212	20
M32-PG29	A	40	8.5	25	J7532290	20
M40-PG16	B	42	8.5	13.5	J7540160	20
M40-PG21	B	42	8.5	13.5	J7540210	20
M40-PG29	A	42	8.5	25	J7540290	20
M40-PG29	B	42	8.5	13.5	J7540292	20
M40-PG36	A	50	8.5	28	J7540360	20
M50-PG21	B	52	9.5	15.5	J7550210	10
M50-PG29	B	52	9.5	15.5	J7550290	10
M50-PG36	A	52	9.5	29	J7550360	10
M50-PG36	B	52	9.5	15.5	J7550362	10
M50-PG42	A	58	9.5	31.5	J7550420	10
M63-PG29	B	65	10.5	17.5	J7563290	5
M63-PG36	B	65	10.5	17.5	J7563360	5
M63-PG42	A	65	10.5	32.5	J7563420	5
M63-PG42	B	65	10.5	17.5	J7563422	5
M63-PG48NFC	A	65	10.5	32.5	J7563480	5
M63-PG48DIN	A	65	10.5	32.5	J7563490	5
M75-PG48NFC	A	80	11.5	34.5	J7575480	1
M75-PG48DIN	A	80	11.5	34.5	J7575490	1

industrial & hazardous area ATEX adaptors & reducers

ADAPTOR PG - ISO

Material: brass

Plating: nickel

Compliance: EN 60423 / NFC 68312

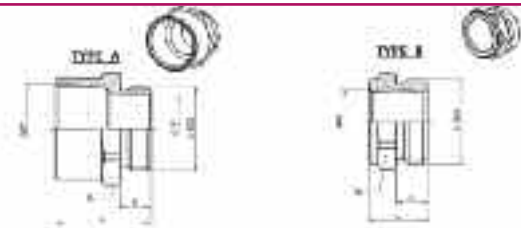


threads	type	H mm	W mm	L mm	cat no	quantity
PG07-M12	A	17	6.5	16.5	J7507100	
PG07-M12	A	19	6.5	16.5	J7507200	
PG09-M12	B	19	6.5	10	J7509100	
PG09-M16	A	19	6.5	16.5	J7509200	
PG09-M20	A	22	6.5	16.5	J7509300	
PG11-M16	B	22	7	11	J7511103	
PG11-M20	A	22	7	17	J7511200	
PG11-M25	A	27	7	18	J7511300	
PG13-M16	B	24	7	11	J7513107	
PG13-M20	A	24	7	17	J7513200	
PG13-M25	A	27	7	18	J7513300	
PG16-M20	A	27	7	16	J7516108	
PG16-M25	A	27	7	18	J7516200	
PG16-M32	A	36	7	18.5	J7516300	
PG21-M25	B	32	8	13	J7521102	
PG21-M32	A	36	8	19.5	J7521200	
PG21-M40	A	42	8	19.5	J7521300	
PG29-M25	B	40	8.5	14	J7529000	
PG29-M32	B	40	8.5	14	J7529108	
PG29-M40	A	42	8.5	20	J7529200	
PG29-M50	A	55	8.5	21	J7529300	
PG36-M40	B	55	8.5	15	J7536106	
PG36-M50	A	55	8.5	21	J7536200	
PG42-M50	B	58	10	16.5	J7542100	
PG42-M63	A	65	10	23.5	J7542200	
PG48-M50	B	65	11	18	J7548109	
PG48-M63	A	65	11	24.5	J7548200	
PG48-M75	A	80	11	25.5	J7548300	
PG48DIN-M50	B	65	10	17	J7549106	
PG48DIN-M63	A	65	10	23.5	J7549200	
PG48DIN-M75	A	80	10	24.5	J7549300	
G2 1/2"-M63	B	80	14	22	J7550102	
G2 1/2"-M75	A	80	14	28.5	J7550200	
G3"-M75	B	100	16	26	J7560101	

industrial & hazardous area ATEX adaptors & reducers

ADAPTOR ISO - NPT

Material: brass
Plating: nickel
Compliance: EN 60423 / NFE 03601



threads	type	H mm	W mm	L mm	cat no	quantity
M16-3/8" NPT	A	19	7	21.5	J7516008	50
M16-1/2" NPT	A	24	7	25	J7516012	50
M20-3/8" NPT	B	24	7	13	J7520008	50
M20-1/2" NPT	A	24	7	25	J7520012	50
M20-3/4" NPT	A	30	7	27	J7520021	50
M25-1/2" NPT	B	30	8	15	J7525012	20
M25-3/4" NPT	A	30	8	27	J7525020	20
M25-1" NPT	A	36	8	31	J7525028	20
M32-3/4" NPT	B	36	8.5	15.5	J7532020	20
M32-1" NPT	A	36	8.5	31	J7532028	20

industrial & hazardous area ATEX adaptors & reducers

ADAPTOR PG - ISO

Material: brass

Plating: nickel

Compliance: EN 60423

NFE: 03601



threads	H mm	W mm	L mm	cat no	quantity
3/8"NPT-M16	20	15	25	J7508916	
3/8"NPT-M20	23	15	26	J7508920	
3/8"NPT-M25	28	15	27	J7508925	
1/2"NPT-M16	23	20	30	J7512916	
1/2"NPT-M20	23	20	30	J7512920	
1/2"NPT-M25	28	20	32	J7512925	
3/4"NPT-M16	28	20	24	J7520916	
3/4"NPT-M20	28	20	24	J7520920	
3/4"NPT-M25	28	20	30	J7520925	
3/4"NPT-M32	36	20	33	J7520932	
1"NPT-M20	36	25	31	J7528920	
1"NPT-M20	36	25	31	J7528925	
1"NPT-M32	36	25	37	J7528932	
1"NPT-M40	46	25	38	J7528940	
1 1/4"NPT-M25	46	25	36	J7535925	
1 1/4"NPT-M32	46	25	36	J7535932	
1 1/4"NPT-M40	46	25	38	J7535940	
1 1/2"NPT-M40	52	26	37	J7541940	
1 1/2"NPT-M50	55	26	40	J7541950	
1 1/2"NPT-M63	70	26	41	J7541963	
2 1/2"NPT-M50	65	27	38	J7547950	
2"NPT-M63	70	27	42	J7547963	

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notes

section 7

cable lugs & pre-insulated terminals

cable lugs & pre-insulated terminals

COPPER TUBE LUGS – T RANGE

This range of standard copper tube terminals is manufactured from seamless copper tube.

All terminals are provided with an inspection hole to ensure the conductor is fully inserted before crimping.

A bell mouth also ensures a smooth transition from lug to cable, thus avoiding the problems of chafing where the component is subject to vibration.

The internal barrel diameters suit standard cables as defined in BS6360.

Compliance: BS2871/C106 (copper tube) BS EN 61238-1-2003

Material: copper



cat no	conductor size mm ²	stud mm	length L	width W	inside diameter D	hole diameter dØ
CL1.5-3	1.5	3	17.0	5.5	1.8	3.2
CL1.5-4	1.5	4	19.5	6.7	1.9	4.3
CL1.5-5	1.5	5	20.4	7.7	1.8	5.3
CL2.5-3	2.5	3	18.0	5.5	2.4	3.2
CL2.5-4	2.5	4	19.0	8.0	2.4	4.3
CL2.5-5	2.5	5	21.2	10.0	2.4	5.3
CL2.5-6	2.5	6	21.0	10.0	2.4	6.5
CL4-4	4	4	21.0	10.0	3.0	4.3
CL4-5	4	5	22.0	10.0	3.0	5.3
CL4-6	4	6	23.5	10.0	3.0	6.5
CL6-4	4	4	21.5	9.5	4.1	4.3
CL6-5	6	5	24.5	10.0	4.1	5.3
CL6-6	6	6	24.5	11.0	4.1	6.3
CL6-8	6	8	27.0	12.5	4.1	8.3
CL6-10	6	10	29.0	12.5	4.1	10.3
CL6-BL	6	-	29.0	12.5	4.1	-
CL10-5	10	5	26.0	10.8	4.4	5.1
CL10-6	10	6	26.0	10.8	4.4	6.3
CL10-8	10	8	29.5	13.5	4.4	8.2
CL10-10	10	10	39.0	15.0	4.4	10.4
CL10-12	10	12	39.0	18.0	4.4	12.7
CL10-BL	10	-	39.0	18.0	4.4	-
CL16-5	16	5	30.0	10.8	5.6	5.2
CL16-6	16	6	30.0	10.8	5.6	6.3
CL16-8	16	8	30.0	13.5	5.6	8.3
CL16-10	16	10	35.5	15.0	5.6	10.3
CL16-12	16	-	42.0	18.0	5.6	-
CL25-5	25	5	32.5	13.8	7.0	5.2
CL25-6	25	6	32.5	13.8	7.0	6.3
CL25-8	25	8	32.5	13.8	7.0	8.2
CL25-10	25	10	38.0	16.0	7.0	10.2
CL25-12	25	12	38.0	18.0	7.0	12.8
CL25-BL	25	-	38.0	16.0	7.0	-
CL35-5	35	5	35.0	15.3	8.2	5.2
CL35-6	35	6	35.0	15.3	8.2	6.3
CL35-8	35	8	35.0	15.3	8.2	8.3
CL35-10	35	10	40.5	15.3	8.2	10.3
CL35-12	35	12	40.5	18.0	8.2	12.9
CL35-14	35	14	40.5	19.6	8.2	14.8

cable lugs & pre-insulated terminals

cat no	conductor size mm ²	stud mm	length L	width W	inside diameter D	hole diameter dØ
CL35-BL	35	-	40.5	18.0	8.2	-
CL50-6	50	6	37.0	17.4	9.5	6.3
CL50-8	50	8	37.0	17.4	9.5	8.3
CL50-10	50	10	42.5	17.4	9.5	10.3
CL50-12	50	12	42.5	17.4	9.5	12.8
CL50-14	50	14	42.5	20.3	9.5	14.8
CL50-16	50	16	52.8	23.2	9.5	16.5
CL50-BL	50	-	42.5	17.4	9.5	-
CL70-6	70	6	40.5	20.9	11.5	6.3
CL70-8	70	8	40.5	20.9	11.5	8.2
CL70-10	70	10	46.0	20.9	11.5	10.2
CL70-12	70	12	46.0	20.9	11.5	12.7
CL70-14	70	14	50.0	20.9	11.5	14.8
CL70-16	70	16	50.0	20.9	11.5	16.3
CL70-20	70	20	71.9	30.0	11.5	20.9
CL70-BL	70	-	50.0	20.9	11.5	-
CL95-6	95	6	49.5	24.3	13.5	6.3
CL95-8	95	8	49.5	24.3	13.5	8.3
CL95-10	95	10	49.5	24.3	13.5	10.3
CL95-12	95	12	49.5	24.3	13.5	12.7
CL95-14	95	14	56.0	24.3	13.5	14.8
CL95-16	95	16	56.0	24.3	13.5	16.3
CL95-20	95	20	73.6	30.0	13.5	20.9
CL95-BL	95	-	56.0	24.3	13.5	-
CL120-8	120	8	55.5	27.3	15.0	8.3
CL120-10	120	10	55.5	27.3	15.0	10.3
CL120-12	120	12	55.5	27.3	15.0	12.7
CL120-14	120	14	55.5	27.3	15.0	14.8
CL120-16	120	16	60.0	27.3	15.0	16.3
CL120-20	120	20	76.6	30.0	15.0	20.9
CL120-BL	120	-	55.5	27.3	15.0	-
CL150-8	150	8	61.0	30.2	16.5	8.3
CL150-10	150	10	61.0	30.2	16.5	10.3
CL150-12	150	12	61.0	30.2	16.5	12.7
CL150-14	150	14	61.0	30.2	16.5	14.8
CL150-16	150	16	65.0	30.2	16.5	16.3
CL150-20	150	20	65.0	30.2	16.5	20.8
CL150-BL	150	-	65.0	30.2	16.5	-
CL185-10	185	10	66.5	33.3	18.5	10.3
CL185-12	185	12	68.0	33.3	18.5	12.9
CL185-14	185	14	68.0	33.3	18.5	14.7
CL185-16	185	16	70.0	33.3	18.5	16.5
CL185-20	185	20	70.0	33.3	18.5	20.9
CL185-BL	185	-	70.0	33.3	18.5	-
CL240-10	240	10	88.0	37.7	21.0	10.3
CL240-12	240	12	88.0	37.7	21.0	12.7
CL240-14	240	14	88.0	37.7	21.0	14.7
CL240-16	240	16	88.0	37.7	21.0	16.4
CL240-20	240	20	88.0	37.7	21.0	20.9
CL240-BL	240	-	88.0	37.7	21.0	-

cable lugs & pre-insulated terminals

cat no	conductor size mm ²	stud mm	length L	width W	inside diameter D	hole diameter dØ
CL300-10	300	10	97.0	41.0	23.0	10.3
CL300-12	300	12	97.0	41.0	23.0	12.7
CL300-14	300	14	97.0	41.0	23.0	14.7
CL300-16	300	16	97.0	41.0	23.0	16.4
CL300-20	300	20	97.0	41.0	23.0	20.9
CL300-BL	300	-	97.0	41.0	23.0	-
CL400-12	400	12	108.0	47.3	27.0	12.7
CL400-14	400	14	108.0	47.3	27.0	14.7
CL400-16	400	16	108.0	47.3	27.0	16.4
CL400-20	400	20	108.0	47.3	27.0	20.9
CL400-BL	400	-	108.0	47.3	27.0	-
CL500-14	500	14	117.0	53.0	30.0	14.7
CL500-16	500	16	117.0	53.0	30.0	16.4
CL500-20	500	20	117.0	53.0	30.0	20.9
CL500-BL	500	-	117.0	53.0	30.0	-
CL630-16	630	16	127.0	63.0	33.8	16.4
CL630-20	630	20	127.0	63.0	33.8	20.9
CL630-BL	630	-	127.0	63.0	33.8	-
CL800-20	800	20	164.0	70.0	38.0	20.9
CL800-BL	800	-	164.0	70.0	38.0	-
CL1000-20	1000	20	169.0	77.0	42.5	20.9
CL1000-BL	1000	-	169.0	77.0	42.5	-

TRANSFORMER FIXING

Standard hole size is 8mm. Other hole diameters available to order.

The 4 hole stud fixing in accordance with EA specifications, ensures compatibility with most transformer fixing arrangements.

CL70TF to CL300TF are brazed palm type

CL400TF to CL1000TF are made from 1 single tube



cat no	cable size mm	stud size mm
CL70TF	70	8
CL95TF	95	8
CL120TF	120	8
CL150TF	150	8
CL185TF	185	8
CL240TF	240	8

cat no	cable size mm	stud size mm
CL300TF	300	8
CL400TF	400	8
CL500TF	500	8
CL630TF	630	8
CL800TF	800	8
CL1000TF	1000	8

cable lugs & pre-insulated terminals

COPPER TUBE BUTT SPLICE

Designed for joining low voltage conductors from 1.5mm² to 1000mm².

They feature an internal taper at both ends to ease the insertion of the conductor and a central stop to ensure correct positioning.



cat no	cable size mm ²	L mm	D2 mm	D3 mm	quantity
CL1.5SP	1.5	14.0	1.8	3.3	100
CL2.5SP	2.5	16.0	2.3	4.2	100
CL4SP	4	19.0	3.0	5.0	100
CL6SP	6	22.0	4.0	6.0	100
CL10SP	10	25.0	4.7	6.6	100
CL16SP	16	30.0	5.6	7.5	100
CL25SP	25	35.0	7.0	9.4	100
CL35SP	35	40.0	8.2	10.6	100
CL50SP	50	44.0	9.5	12.0	100
CL70SP	70	44.0	11.5	14.7	50
CL95SP	95	46.0	13.5	16.7	50
CL120SP	120	50.0	15.0	19.0	50
CL150SP	150	54.0	16.5	21.0	50
CL185SP	185	56.0	18.5	23.0	20
CL240SP	240	58.0	21.0	26.0	20
CL300SP	300	60.0	23.0	28.0	20
CL400SP	400	63.0	27.0	32.0	10
CL500SP	500	135.0	30.0	38.1	10
CL630SP	630	135.0	33.8	44.0	10
CL800SP	800	135.0	38.0	49.0	10
CL1000SP	1000	135.0	42.5	53.0	10

COPPERTUBE BLANKS

This range of standard copper tube terminals is manufactured from seamless copper tube.

All terminals are provided with an inspection hole to ensure the conductor is fully inserted before crimping.

A bell mouth also ensures a smooth transition from lug to cable, thus avoiding the problems of chafing where the component is subject to vibration.

The internal barrel diameters suit standard cables as defined in BS6360.

Compliance: BS2871/C106 (copper tube) BS EN 61238-1-2003



cable lugs & pre-insulated terminals

SOLID REDUCING PIN

Designed to reduce down conductor size when cables are oversized for control gear and MCB's.

The pin makes these terminals ideal for terminating conductors into contact blocks.

This range caters for conductor sizes from 100mm² to 400mm².

Larger sizes up 1000mm² can be custom made to order.



cat no	cable size mm ²	L1 mm	L2 mm	D1 mm	D2 mm	D3 mm
CL10SRP	10	8	10	6.25	4.8	3.8
CL16SRP	16	11	13.5	7	5.35	3.7
CL25SRP	25	11	19	9	7	5.0
CL35SRP	35	11	19	10.7	8	7.5
CL50SRP	50	16	19.5	12.3	9.7	7.5
CL70SRP	70	19	18	15.8	11.5	8
CL95SRP	95	19.5	18	17	13.5	8
CL120SRP	120	24	24	19	15	10
CL150SRP	150	27	24	22	16.5	10
CL185SRP	185	30	25	25	18.5	8
CL240SRP	240	32	25	25	21	14
CL300SRP	300	42	32	28	23	16
CL400SRP	400	45	32	32	27	16

COPPER TUBE RIGHT ANGLE LUGS

All angled terminals are available with palm angles of 90° as standard but are available to order with angles of 30°, 45°, 55° and 70°.

Sizes from 10mm² to 240mm².

Our Special Applications Service can provide angled terminals to your requirements.



cat no	cat no	cat no
CL10-6/RA	CL35-8/RA	CL95-12/RA
CL10-8/RA	CL50-8/RA	CL120-10/RA
CL16-6/RA	CL50-10/RA	CL120-12/RA
CL16-8/RA	CL70-8/RA	CL150-10/RA
CL25-6/RA	CL70-10/RA	CL150-12/RA
CL25-8/RA	CL95-8/RA	CL185-10/RA
CL35-6/RA	CL95-10/RA	CL185-12/RA

cable lugs & pre-insulated terminals

LONG PALM LUGS

A range of blank palm terminals that enable the user with specific requirements to customise the stud sizes and positions.

Also available in a 2 hole configuration.



cat no	nominal dimensions mm						palm thickness
	A	B	W	F	D	L	T
CL10POI	6.9	4.4	11.0	35.0	10.0	50.0	2.0
CL16POI	8.0	5.6	11.0	35.0	11.0	52.0	2.2
CL25POI	9.5	7.0	13.5	35.0	13.0	56.0	2.4
CL35POI	11.0	8.2	15.5	35.0	18.0	57.0	2.8
CL50POI	12.0	9.5	17.0	35.0	18.0	61.0	2.4
CL70POI	15.0	11.5	21.2	75.0	18.0	105.0	2.0
CL95POI	17.0	13.5	24.3	75.0	24.0	111.0	3.5
CL120POI	19.0	15.0	27.2	75.0	27.0	115.0	4.0
CL150POI	21.0	16.5	30.0	75.0	27.0	120.0	4.5
CL185POI	23.0	18.5	33.5	75.0	30.0	125.0	4.5
CL240POI	26.0	21.0	37.7	75.0	32.0	128.0	5.0
CL300POI	28.0	23.0	41.0	75.0	37.0	137.0	5.0
CL400POI	32.0	27.0	47.3	75.0	38.0	138.0	5.0
CL500POI	38.0	30.0	55.0	75.0	50.0	160.0	8.2
CL630POI	44.0	33.8	63.0	75.0	50.0	164.0	10.2
CL800POI	49.0	38.0	70.0	75.0	56.0	171.0	11.0

PARALLEL SPLICES

Designed for jointing low voltage conductors.

Manufactured from copper electrolytically tin plated.

Internal taper at both ends to ease introduction of conductor.

cat no	cat no	cat no
CL1.5PS	CL10PS	CL50PS
CL2.5PS	CL16PS	CL70PS
CL4PS	CL25PS	CL95PS
CL6PS	CL35PS	



cable lugs & pre-insulated terminals

COPPER TUBE NARROW PALM LUGS

Specially developed for applications to include LV circuit breakers with a reduced space terminal block.



cat no	palm width
CL70-8INP	17mm
CL95-10INP	19mm
CL120-10INP	19mm
CL150-10INP	19mm

cat no	palm width
CL185-12INP	25mm
CL240-12INP	31mm
CL300-12INP	31mm
CL400-12INP	31mm

C CRIMPS

Manufactured from high strength copper alloy.
Provides maximum conductivity and eliminates possibility of corrosion.



cat no	palm width
C10	13-20 mm ²
C16	19-32 mm ²
C25-10	17-35 mm ²
C25	35-56 mm ²
C35	53-70 mm ²
C50	66-100 mm ²
C70C35	54-110 mm ²
C70	85-140 mm ²

cat no	palm width
C95C35	99-140 mm ²
C95	150-190 mm ²
C120	156-240 mm ²
C150	225-300 mm ²
C185C95	260-300 mm ²
C185	210-370 mm ²
C240	387-480 mm ²

cable lugs & pre-insulated terminals

MECHANICAL LUGS

Designed for termination of sector shaped, stranded or solid core conductors
Available in aluminium or copper.
Tested to LV/MV applications.

cat no	cable range mm ²
AT50-95-M12	50-95
AT120-185-M12	120-185
AT240-300-M12	240-300



FLAT REDUCING PINS

Designed to terminate conductors into contact blocks.
Manufactured from copper strip, rolled, brazed and plated.



cat no	pin width mm	pin length mm
CL10FRP	4.3	13.2
CL16FRP	5.3	18.2
CL25FRP	7.0	18.5
CL35FRP	7.0	18.8

cat no	pin width mm	pin length mm
CL50FRP	8.4	19.2
CL70FRP	11.0	23.0
CL95FRP	12.5	23.0

cable lugs & pre-insulated terminals

FLAT REDUCING PINS INSULATED

As per the Flat Reducing Pins with added exterior nylon insulation.
Funnel shaped to ensure easy collation of conductor strands.

cat no	cat no
10FRP/INS	25FRP/INS
16FRP/INS	35FRP/INS



COPPER SHEET TERMINAL

Range from 0.5mm – 95mm and stud size 2.2mm to 20mm.
All made from oxygen-free high conductivity copper sheet with high conductivity silver alloy brazing and are electro tin plated for maximum corrosion resistance.

prefix	conductor size	stud size	example cat no
ST	10mm ²	16mm	ST10-16



HIGH TEMPERATURE RING TERMINALS

Nickle plated copper terminals designed for high temperature requirements above 250°C.
Good chemical resistance.
Available in Rings, Blades, Pins, Male and Female Pushons.



cable lugs & pre-insulated terminals

PREINSULATED CRIMPS RED 0.5mm² - 1.5mm²

All terminals are made from oxygen-free high conductivity copper.

The ring, fork, butt, pin and blade terminals are then electro-tin plated for excellent conductivity and resistance to corrosion.

Push-on terminals are made from brass, while the insulated types benefit from an additional internal copper sleeve, ensuring insulation support and a good crimp joint.

Operating temperature range: +75°C

Most terminals are UL and CSA approved.



RBM4



RR32, RR37, RR43, RR53,
RR65, RR85



RFP28, RFP28X, RFP48,
RFP48X, RFP63



RFIP63R/A
Right Angle



RSF4



NES15



RB10, RB11, RB14, RB18



RPIG63



RF32, RF37, RF43, RF53,
RF65



RFIP28, RFIP28X, RFIP48,
RFIP48X, RFIP63



RMP63



RP9, RP12



BSL15-HS, Heat Shrink
Butt Splice



BSL15



RFIP63NYLON



RHB30, RHB46

cable lugs & pre-insulated terminals

PREINSULATED CRIMPS BLUE 1.5mm² - 2.5mm²

All terminals are made from oxygen-free high conductivity copper.

The ring, fork, butt, pin and blade terminals are then electro-tin plated for excellent conductivity and resistance to corrosion.

Push-on terminals are made from brass, while the insulated types benefit from an additional internal copper sleeve, ensuring insulation support and a good crimp joint.

Operating temperature range: +75°C

Most terminals are UL and CSA approved. S



BR32, BR37, BR43, BR53,
BR65, BR85



BFP48, BFP48X, BFP63



BMP63



BSF4, BSF5



BHB30, BHB46



BF32, BF37, BF43, BF53,
BF65



BFIP48, BFIP48X, BFIP63



BBM4, BBM5



BP9, BP12



NES25



BSL25



BFIP63RA
Right Angle



BPIG63



BB9, BB18



BSL25HC Heat Shrink
Butt Splice

cable lugs & pre-insulated terminals

PREINSULATED CRIMPS YELLOW 4mm² - 6mm²

All terminals are made from oxygen-free high conductivity copper.

The ring, fork, butt, pin and blade terminals are then electro-tin plated for excellent conductivity and resistance to corrosion.

Push-on terminals are made from brass, while the insulated types benefit from an additional internal copper sleeve, ensuring insulation support and a good crimp joint.

Operating temperature range: +75°C

Most terminals are UL and CSA approved.



YR37, YR43, YR53, YR65,
YR85, YR10, YR12



YFP63, YRP95



YPIG63



YPI4



NES6



YF37, YF43, YF53, YF65,
YF85



YFIP63



BSL6



YB10, YB18



BSL6HC Heat Shrink
Butt Splice



YSF5



YMP63



YBM5



YHB46

cable lugs & pre-insulated terminals

BOOTLACE FERRULES (Insulated, Twins, Uninsulated)

Insulated bootlaces are manufactured from tin plated electrolytic copper designed to reinforce fine wire strands when terminating cables into connectors.
Also suitable for tri rated cables in accordance with DIN46288 Part 4.

Two entry bootlace ferrules are designed to accommodate two cables in the same sleeve.

Uninsulated bootlace ferrules are made from tin plated electrolytic copper.

Heat resistant to: + 125°C

Designed for use with flexible cables.



cat no insulated	colour
0.34 BLFT	pink
0.50 BLFT	white
0.75 BLFT	blue
1.0 BLFT	red
1.5 BLFT	black
2.5 BLFT	grey
4.0 BLFT	orange
6 BLFT	green
10 BLFT	brown
16 BLFT	ivory
25 BLFT	black
35 BLFT	red
50 BLFT	blue
70 BLFT	yellow
95 BLFT	red
0.25 BLFK	blue
0.34 BLFK	turquoise
0.50 BLFK	orange
0.75 BLFK	white
1.0 BLFK	yellow
1.5 BLFK	red
2.5 BLFK	blue
4 BLFK	grey
6 BLFK	black
10 BLFK	ivory
16 BLFK	green
25 BLFK	brown
35 BLFK	beige
50 BLFK	olive
70 BLFK	yellow

cat no twins	colour
2 x 0.5 BLF	white
2 x 0.75 BLF	grey/blue
2 x 1.0 BLF	red
2 x 1.5 BLF	black
2 x 2.5 BLF	grey
2 x 4 BLF	grey
2 x 6 BLF	yellow
2 x 10 BLF	red
2 x 0.5 BLFK	orange
2 x 0.75 BLFK	white
2 x 1.0 BLFK	yellow
2 x 1.5 BLFK	red
2 x 2.5 BLFK	blue

cat no uninsulated	
0.5 UBLF	
0.75 UBLF	
1.0 UBLF	
1.5 UBLF	
2.5 UBLF	
4 UBLF	
6 UBLF	
10 UBLF	
16 UBLF	
25 UBLF	
35 UBLF	
50 UBLF	
70 UBLF	
95 UBLF	
120 UBLF	

BT CRIMPS (JELLY FILLED)

Gel filled moisture resistant connector. Self stripping designed to be used for either 2 or 3 cables.

0.4mm² to 1.5mm². Suitable for instrumentation cables / comms cables

Cat no: UY2 – 2WAY UY3-3WAY



section 8

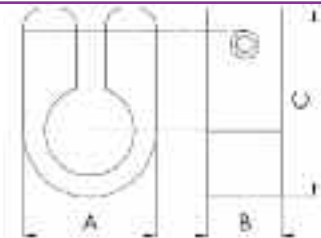
cable cleats & fixings

cable cleats & fixings

CLINGSTRAP CABLE CLEAT

The CLINGSTRAP cable cleat is a comprehensive range of single fixing cable cleats. Provides a simple but strong means of securing cables. Suitable for use with cables or pipes up to 50.8mm in diameter.

Material: Polypropylene / LS Zero Halogen Polypropylene
High level of UV resistance
Operating temperature range: -35°C to +105°C



size	cable range mm		stud hole size	dimensions mm			quantity	cleat code	cat no
	min	max		A	B	C			
3	5.0	7.6	M6	12.5	15.0	26.5	5000	CC3	CC3LSF
4	7.7	10.0	M6	15.0	15.0	27.0	5000	CC4	CC4LSF
5	10.1	12.7	M6	17.0	16.0	29.7	4500	CC5	CC5LSF
6	12.6	15.2	M6	19.5	16.5	33.0	3500	CC6	CC6LSF
7	15.1	17.8	M6	25.0	19.5	36.0	2500	CC7	CC7LSF
8	17.7	20.3	M6	26.0	19.5	38.0	1800	CC8	CC8LSF
9	20.2	22.8	M6	29.0	19.5	42.0	1400	CC9	CC9LSF
10	22.7	25.4	M6	32.5	22.0	46.0	1200	CC10	CC10LSF
11	25.3	27.7	M10	36.0	22.0	50.5	800	CC11	CC11LSF
12	27.6	30.5	M10	40.0	25.0	59.0	500	CC12	CC12LSF
14	30.4	35.5	M10	46.5	25.0	63.0	500	CC14	CC14LSF
16	35.4	40.6	M10	52.0	25.0	69.0	350	CC16	CC16LSF
18	40.5	45.7	M10	58.0	25.0	72.5	300	CC18	CC18LSF
20	45.6	50.8	M10	60.0	25.0	72.0	300	CC20	CC20LSF

cable cleats & fixings

ONE HOLE CABLE CLAMP

The ONE HOLE cable clamp is a comprehensive range of single hole fixing, two part cleats.

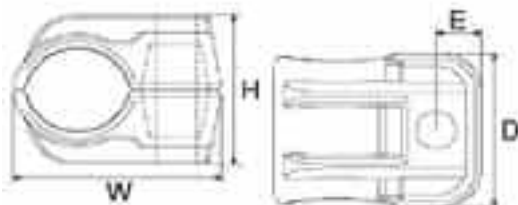
Designed to fit cables from 10.0mm to 51.0mm diameter.

Manufactured from high strength polypropylene or halogen free nylon.

Material: LS Zero Halogen Nylon

High level of UV resistance

Operating temperature range: -35°C to +105°C



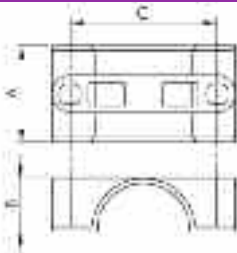
size	cable range mm		stud hole size	dimensions mm				cat no
	min	max		W	H	D	E	
10	10	13	M10	37.8	27.0	41.2	10.2	IF10LSF
11	13	16	M10	41.2	30.0	41.2	10.4	IF11LSF
12	16	19	M10	44.3	33.0	41.2	10.7	IF12LSF
13	19	23	M10	48.2	36.0	41.2	10.9	IF13LSF
14	23	27	M10	52.2	40.0	41.2	11.3	IF14LSF
15	27	32	M10	57.1	44.0	41.2	11.6	IF15LSF
16	32	38	M10	63.1	49.0	41.2	12.1	IF16LSF
17	38	46	M10	71.3	58.0	41.2	12.9	IF17LSF
18	46	51	M10	77.3	67.0	41.2	13.5	IF18LSF
19	51	57	M10	83.2	72.0	41.2	13.9	IF19LSF

cable cleats & fixings

TC TWO HOLE CABLE CLAMP

A range of two hole fixing, two part cleats designed to fit cables 50mm to 135mm diameter.
Manufactured from high strength polypropylene and designed to be easily stacked to save time and space.
High level of UV resistance.

Material: Polypropylene / L S Zero Halogen Polypropylene
Stainless steel available on request
Operating temperature range: -35°C to +105°C



size	cable range mm		stud hole size	dimensions mm			quantity	cleat cat no	LSF cleat cat no
	min	max		A	B	C			
8	41	48	2 x M10	59.0	31.0	75.0	100	TC8	TC8LS
9	48	57	2 x M10	60.0	32.0	76.2	100	TC 9	TC9LS
10	57	64	2 x M10	60.0	35.0	76.2	100	TC10	TC10LS
11	64	70	2 x M10	62.5	40.0	114.3	50	TC11	TC11LS
12	70	76	2 x M10	62.5	44.0	114.3	50	TC12	TC12LS
14	76	85	2 x M10	63.5	46.5	114.3	50	TC14	TC14LS
15	83	105	2 x M10	73.0	54.0	147.0	25	TC15	TC15LS
16	105	112	2 x M10	90.0	74.0	139.0	25	TC16	TC16LS
17	112	120	2 x M10	90.0	78.0	139.0	25	TC17	TC17LS
18	120	128	2 x M10	100.0	82.5	157.0	25	TC18	TC18LS
19	128	135	2 x M10	100.0	87.0	157.0	25	TC19	TC19LS

cable cleats & fixings

FIXING STUDS AND ACCESSORIES

cat no	description
M10-100TS	M10 x 100mm threaded stud
M10-125TS	M10 x 125mm threaded stud
M10-150T	M10 x 150mm threaded stud
M10-225TS	M10 x 225mm threaded stud
M10-N	M10 full nut
M10-PW	M10 flat washer



CHANNEL NUTS

cat no	description
CSN6L	M6 channel nut – long spring
CSN10L	M10 channel nut – long spring



cable cleats & fixings

TELCLEAT

Suitable for cables 10 to 51mm in diameter with a range of 8 sizes and overlapping self adjusting ranges.
One piece, single fixing design that can be double stacked on one fixing.
The cleat is opened up and placed around the cable so that the end of the cleat containing the slot will be in contact with the mounting surface, except for the 385AA01, which should be reversed to put the slot uppermost. In this case an M5 washer should be used to prevent the nut entering the slot of the cleat, and when mounting directly on "Unistrut" or "Leprack" type channel section an adaptor plate should be used.
UV and weather resistant.



Material: Black low-density polyethylene – unaffected by corrosive environments, oils and many chemicals
Operating temperature range: -70°C to +70°C
LSF also available



cat no	cable diameter A		qty	dimensions mm				SWL approx		roundhead woodscrew	screw cable tray mm
	min	max		B min	B max	C max	D	(FOS3)	weight g		
385AA01	10.5	14.5	100	15	18	32	12	17	2.3	1 1/4 x 8	M4 x 30
385AA02	12.2	16.7	100	17	22	36	14	22	3.4	1 1/2 x 8	M4 x 35
385AA03	14.6	19.8	100	21	26	43	16	32	5.5	1 3/4 x 8	M4 x 40
385AA04	17.7	24.0	50	25	31	51	18	40	8.6	2 x 8	M4 x 45
385AA05	21.7	28.5	25	30	37	57	20	47	12.4	2 1/4 x 12	M6 x 50
385AA06	26.2	34.2	25	35	43	65	22	59	16.4	2 1/2 x 12	M6 x 60
385AA07	31.9	41.6	10	42	52	78	25	79	24	2 3/4 x 12	M6 x 70
385AA08	39.3	51.1	10	50	62	91	26	82	35	3 1/4 x 12	M7 x 80

cable cleats & fixings

384 SERIES HEAVY DUTY HOOK CLEAT

A two piece, single fixing design suitable for standard and LSOH cables 25 to 80mm in diameter, and all sizes secured with 10mm fixings.

For normal industrial use indoor and outdoor, it fits most ladder and tray systems but is not designed to secure cables in long vertical routes. It can be installed in temporary open position to aid single person working.

Can be double stacked on one fixing.

In all applications the cleat should be mounted on suitable M10 fixings.

There is no need for any channel adaptor when mounting directly on to 'C' section channel.



Compliance: BS EN 50368

Material: Glass-filled nylon & LSOH

Operating temperature range: -20°C to +90°C



cat no		cable diameter A		dimensions mm					weight		SWL (FOS2)	
nylon	LSOH	min	max	B min	B max	C	D	E	nylon g	LSOH g	nylon kgf	LSOH kgf
384AA01	384LSF01	25	35	36	46	76	40	18	63	52	80	48
384AA02	384LSF02	34	44	44	54	85	40	18	74	61	80	48
384AA03	384LSF03	43	53	56.5	66.5	96	40	18	105	88	98	59
384AA04	384LSF04	52	62	65.5	75.5	106	40	18	129	108	103	62
384AA05	384LSF05	61	71	78	88	119	44	20	175	146	165	99
384AA06	384LSF06	70	80	87	97	129	44	20	221	185	171	103

cable cleats & fixings

ALUMINIUM CLAW CLEAT

Suitable for use with cables from 10 to 51 mm in diameter with a range of 9 sizes. Can be used for all types of cable routes, suitable for indoor dry normal industrial use or outdoor unpolluted areas.

Two piece, single fixing design that can be stacked to a maximum of three on one fixing.

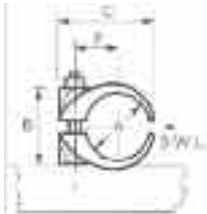
In all applications the cleats should be mounted on suitable M10 fittings, and when mounting directly on “Unistrut” or “Leprack” type channel, adaptor plate 380AG02 should be used.

When stacking claw cleats use packing piece 389AC03 between cleats.



Material: Aluminium plain finish

Operating temperature range: -60°C to +100°C



cat no	cable range		dimensions mm				approx weight g	SWL (FOS3) kg	stud size
	min	max	B	C	D	E			
370BA01	10	13	21	38	46	16	60	150	M10
370BA02	13	16	21	38	46	16	50	148	M10
370BA03	16	19	24	41	46	18	60	121	M10
370BA04	19	22	27	44	46	19	70	112	M10
370BA05	22	25	30	48	46	21	80	95	M10
370BA06	25	32	37	54	46	24	90	85	M10
370BA07	32	38	43	60	46	27	110	83	M10
370BA08	38	44	49	67	46	30	120	60	M10
370BA09	44	51	56	73	46	34	150	62	M10

cable cleats & fixings

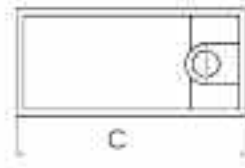
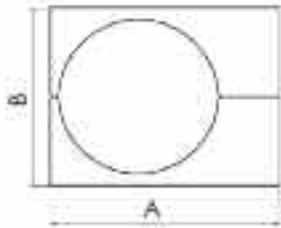
ONE HOLE FIXING ALUMINIUM CABLE CLAMP

Designed to fit cables 13 to 71 mm diameter and can be easily stacked and can be fixed directly to channel or ladder.
High mechanical strength.

Compliance: BS1490

Material: LM6 Aluminium

Operating temperature range: -60°C to +100°C



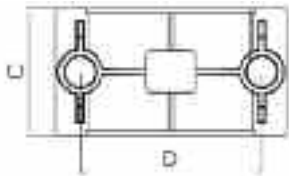
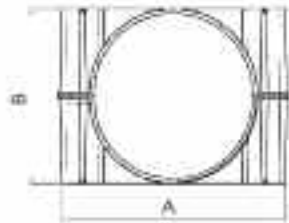
size	cable range		stud hole size	dimensions mm			cat no
	min	max		A	B	C	
1	10	13	M10	41	32	43	IALM1
2	13	16	M10	44	34	43	IALM2
3	16	19	M10	48	36	43	IALM3
4	19	22	M10	50	38	43	IALM4
5	22	26	M10	53	40	43	IALM5
6	26	33	M10	59	44	43	IALM6
7	33	39	M10	65	50	43	IALM7
8	39	45	M10	71	56	43	IALM8
9	45	51	M10	78	63	43	IALM9
10	51	58	M10	84	73	43	IALM10
11	58	65	M10	91	80	43	IALM11
12	65	71	M10	97	89	43	IALM12

cable cleats & fixings

TWO HOLE FIXING ALUMINIUM CABLE CLAMPS

Are designed to fit cables 51 to 144mm diameter (two hole).
High mechanical strength.

Compliance: BSI 490
Material: LM6 Aluminium
Operating temperature range: -60°C to +100°C



size	cable range		stud hole size	dimensions mm				cat no
	min	max		A	B	C	D	
10	51	57	2 x M10	96	68	49	76	2ALM10
11	57	64	2 x M10	96	75	49	76	2ALM11
12	64	70	2 x M10	134	84	64	114	2ALM12
13	70	76	2 x M10	134	90	64	114	2ALM13
14	76	83	2 x M10	142	96	64	114	2ALM14
15	83	89	2 x M10	142	102	64	114	2ALM15
16	89	95	2 x M10	154	114	76	126	2ALM16
17	95	101	2 x M10	154	120	76	126	2ALM17
18	101	108	2 x M10	169	134	76	140	2ALM18
19	108	114	2 x M10	169	140	76	140	2ALM19

cable cleats & fixings

CABLE HANGERS

Are designed for holding power cables in single or multiple runs.
Fabricated into flat 6mm bar.
Special designs are available on request.

Compliance: BS729:1971

Material: Mild Steel / Hot Dipped Galvanised



size	cable range		stud hole size	dimensions mm			cat no
	min	max		A	B	C	
1	-	50	M10	40	145	105	CH1W1
2	-	50	M10	40	235	195	CH2W1
3	-	50	M10	40	325	285	CH3W1
4	-	50	M10	40	415	375	CH4W1
5	-	50	M10	40	505	465	CH5W1
6	-	50	M10	40	595	555	CH6W1
1	51	75	M12	50	170	130	CH1W1
2	51	75	M12	50	295	255	CH2W2
3	51	75	M12	50	420	380	CH3W3
4	51	75	M12	50	545	505	CH4W4
5	51	75	M12	50	670	630	CH5W5
6	51	75	M12	50	795	755	CH6W6
1	76	100	M12	50	185	145	CH1W1
2	76	100	M12	50	345	305	CH2W2
3	76	100	M12	50	505	465	CH3W3
4	76	100	M12	50	665	625	CH4W4
5	76	100	M12	50	825	785	CH5W5
6	76	100	M12	50	985	945	CH6W6

SUSPENSION HOOKS

Designed for holding single power cables or small cable bundles.
Fabricated from a flat 6mm bar.
Special designs are available on request.

Compliance: BS729:1971

Material: Mild Steel / Hot Dipped Galvanised



ways	cable range		fixing hole size	hanger width mm	hanger length mm	cat no
	min	min				
1	-	50	M10	40	105	SHA1
2	51	75	M12	50	120	SHA2
3	76	100	M12	50	155	SHA3

cable cleats & fixings

TREFOIL CLEATS SINGLE AND TWO BOLT

Suitable for cables in Trefoil groups designed to fit cables of 24 to 76 mm in diameter with a range of 33 sizes, they can be used with all types of cable routes.

Supplied complete with top fastening they are available as either single or two fixing design.

Plain finish for indoor dry normal industrial use or outdoor unpolluted areas, or Epoxy coated for more hostile conditions.

These cleats are suitable for use at a maximum fault level of 30kA rms.

Recommended maximum spacings, straight runs 900mm, vertical bends 300mm and horizontal bends one each support with, if necessary, intermediate unanchored cleats to limit resistance spacing to 300mm.

Cleats should be mounted on either one or two M10 fixings and it is essential that they are secured to supports capable of withstanding the prospective short circuit forces.

Material: Single fixing plain finish - 376AC Type / epoxy coated – 376AE Type

Two fixing plain finish – 376AB Type / epoxy coated – 376AD

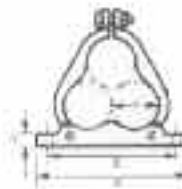
Operating temperature range: -60°C to +100°C



Single Fixing



Two Fixings



cable cleats & fixings

cat no		cable diameter A		dimensions mm					approx weight g	
376AC**	376AB**	min	max	B	D	single fixing C	two fixing C	E	single fixing	two fixing
376AE**	376AD**									
01	01	24	25	94	38	75	128	102	234	275
02	02	25	27	97	38	75	128	102	241	284
03	03	27	28	100	38	75	128	102	248	291
04	04	28	30	103	38	76	130	104	255	298
05	05	30	32	105	38	79	133	107	269	305
06	06	32	34	106	38	83	135	109	284	312
07	07	34	35	109	38	86	137	110	291	319
08	08	35	36	113	38	89	138	113	298	326
09	09	36	38	116	38	92	140	114	305	333
10	10	38	40	119	38	95	145	118	312	340
11	11	40	41	122	38	99	147	121	319	347
12	12	41	43	124	38	105	149	123	326	354
13	13	43	44	127	38	108	150	124	340	369
14	14	44	46	130	38	112	154	128	354	383
15	15	46	48	133	38	114	156	129	361	390
16	16	48	49	137	38	118	159	133	369	397
17	17	49	51	140	38	121	165	135	376	404
18	18	51	53	143	38	124	165	137	383	411
19	19	53	54	146	38	127	172	141	390	418
20	20	54	55.5	155	44	133	183	152	503	560
21	21	55.5	57	158	44	137	187	155	517	574
22	22	57	59	160	44	141	189	157	532	588
23	23	59	60	163	44	145	191	160	546	602
24	24	60	62	165	44	148	194	162	552	617
25	25	62	63.5	168	44	152	196	165	567	631
26	26	63.5	65	172	44	156	199	168	581	345
27	27	65	66.5	176	44	160	202	170	602	666
28	28	66.5	68	178	44	164	205	173	624	687
29	29	68	70	181	44	168	208	176	652	716
30	30	70	71.5	187	44	171	215	183	680	745
31	31	71.5	73	190	44	175	217	186	695	758
32	32	73	74.5	193	44	179	220	188	709	773
33	33	74.5	76	197	44	183	222	191	722	787

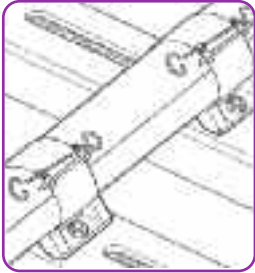
cable cleats & fixings

MULTICLEAT / MULTISTRAP SYSTEM

Suitable for cables in Trefoil groups designed to fit cables of 24 to 145mm in diameter with a range of 17 sizes.
Exceptional overlapping ranges and can be used for all types of cable routes.
Non-magnetic materials used throughout.
Multicleat bases are available as either single or two fixing designs and in a variety of materials and finishes.
Patent No 2082242.



A multistrap is a strap complete with a tensioning clip, securing pin and winding key all made from highly corrosion resistant non-magnetic stainless steel, used as an immediate restraint between multicleats and may be used to bind cables together.
Material: stainless steel
Strengths: Standard duty designed to have 2 loops or 0.38mm thick strap around the cables
Heavy duty designed to have 3 loops of 0.38mm thick strap around the cables
Operating temperature range: -60°C to +100°C



A multicleat is a multistrap with a base and can be used to anchor three cables in trefoil formation, single cables or bundles of cables to support.
Material: aluminium alloy, plain or epoxy coated, two fixings design OR
Cast iron, hot dip galvanised or epoxy coated, two fixings design OR
Stainless steel, single or two fixings design
Operating temperature range: -60°C to +100°C
Multistraps with either cast iron or steel bases will survive an excursion to +1000°C for up to 2 hours, however, any protective coating of the cast iron base could be adversely affected.

LSF liners can be supplied upon request for use with Multistraps and conform to BS6853
377LSF01 for styles 01 to 04 inc. and 51 to 54 inc. 377LSF02 for styles 05 to 09 inc. and 29 to 37 inc. and 55 to 59 inc.

cat no for aluminium alloy plain bases		trefoil cable diameter mm		single cable diameter mm	
standard 378AB**	Heavy 378AB**	min	max	max	max
01	51	24	34	36	65
02	52	30	41	60	85
03	53	37	47	80	90
04	54	43	54	85	110
05	55	50	60	-	-
06	56	56	67	-	-
07	57	63	73	-	-
08	58	69	80	-	-
09	59	-	-	105	120
-	29	-	-	85	110
-	36	72	85	-	-
-	37	82	95	-	-
-	38	92	105	-	-
-	39	102	115	-	-
-	40	112	125	-	-
-	41	122	135	-	-
-	42	132	145	-	-

Note: multicleats style 29 and 39 are only available with aluminium alloy bases type AB or AD
For style 09 and 59 Multicleat use style 05 and 55 Multistrap respectively

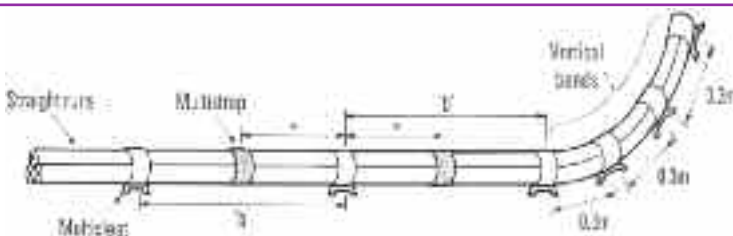
cable cleats & fixings

for multicables with other bases replace "AB" in cat no with letters from list below			
single bolt fixing design	two bolt fixing design	ref	letters
-	aluminium alloy - expoy coated	378	AD**
-	stainless steel - plain	378	JB**
stainless steel plain	-	378	PF**

cat no for multistrap		trefoil cable diameter mm	
standard 377AB	Heavy 377AB	min	max
01	51	24	34
02	52	30	41
03	53	37	47
04	54	43	54
05	55	50	60
06	56	56	67
07	57	63	73
08	58	69	80
09	36	72	85
-	37	82	95
-	38	92	105
-	39	102	115
-	40	112	125
-	41	122	135
-	42	132	145

multicleat/multistrap duty	spacing 'b' m	short circuit current kA		cleat spacing at vertical change of direction mm
	max	RMS	PEAK	
standard	1.8	43	114	300
heavy	1.5	50	130	300
heavy	1.2	71	184	300

Important Note: To ensure adequate restraint, Multistraps must be used at the mid-point between cleats on all horizontal and vertical straight runs



section 9
cable jointing kits & accessories

cable jointing kits & accessories

SNAPLOCK SHELL

Easy to assemble with Easy-Twin pack resin for added safety, with sufficient resin provided.
Long shelf life with strong, transparent, snap together shells.
Designed for UK armoured cables to allow plenty of room to work.
Can be customised to suit individual requirements and available with or without mechanical connectors / earth kits.

Compliance: BS-EN 50393:2006



straight joint dimensions				
joint type	length mm	diameter mm	cable entry mm	resin content
straight 6	189	40	6-28	200 ml
straight 16	275	50	12-32	450 ml
straight 35/70	355	72	26-53	1.1 litre
straight 95	435	86	28-58	1.7 litres
straight 120	547	108	37-67	3.3 litres
straight 185	800	132	48-88	8.45 litres
straight 300	800	132	48-88	7.5 litres
straight 400	1220	167	60-80	19.5 litres

straight cable joints - armoured					
size of conductor mm ²	1 core armoured	2 core armoured	3 core armoured	4 core armoured	5 core armoured
1.5 mm ²	n/a	straight 6	straight 6	straight 6	straight 6*
2.5 mm ²	n/a	straight 6	straight 6	straight 6	straight 6*
4 mm ²	n/a	straight 6	straight 6	straight 6	straight 6*
6 mm ²	n/a	straight 6	straight 6	straight 6	straight 16*
10 mm ²	n/a	straight 16*	straight 16	straight 16	straight 16*
16 mm ²	n/a	straight 16	straight 16	straight 16	straight 35/70*
25 mm ²	n/a	straight 16*	straight 35/70	straight 35/70	straight 35/70*
35 mm ²	n/a	straight 35/70*	straight 35/70	straight 35/70	straight 35/70*
50 mm ²	straight 16*	straight 35/70*	straight 35/70	straight 35/70	straight 95*
70 mm ²	straight 16*	straight 35/70*	straight 35/70	straight 35/70	straight 95*
95 mm ²	straight 35/70*	straight 35/70*	straight 95	straight 95	straight 120*
120 mm ²	straight 35/70*	straight 95*	straight 95	straight 120	straight 300*
150 mm ²	straight 35/70*	straight 95*	straight 120	straight 185	straight 400*
185 mm ²	straight 95*	straight 120*	straight 185	straight 185	straight 400*
240 mm ²	straight 95*	straight 120*	straight 300	straight 300	straight 400*
300 mm ²	straight 120*	straight 185*	straight 300	straight 300	straight 400*
400 mm ²	straight 300*	straight 300*	straight 400	straight 400	straight 400*

* denotes not a standard cable joint, please contact us for more information

cable jointing kits & accessories

BRANCH JOINTS

Easy to assemble with Easy-Twin pack resin for added safety, with sufficient resin provided.

Long shelf life with strong, transparent, snap together shells.

Designed for UK armoured cables to allow plenty of room to work.

Can be customised to suit individual requirements and available with or without mechanical connectors / earth kits.

Compliance: BS-EN 50393:2006



branch joints				
joint type	length mm	width mm	cable entry mm	resin content
MB6	220	76	10-22	450 ml
MB16	282	100	10-30	900 ml
MB35	360	100	15-30	2 litres
MB70	390	120	15-40	4 litres
MB120	570	160	15-50	9.5 litres
MB300	740	250	45-75	23.5 litres

branch joints - uncut main cable mm ²					
size of conductor mm ²	1 core armoured	2 core armoured	3 core armoured	4 core armoured	5 core armoured
1.5 mm ²	n/a	MB6	MB6	MB6	MB6*
2.5 mm ²	n/a	MB6	MB6	MB6	MB6*
4 mm ²	n/a	MB6	MB6	MB6	MB6*
6 mm ²	n/a	MB6	MB6	MB6	MB16*
10 mm ²	n/a	MB6	MB16	MB16	MB16*
16 mm ²	n/a	MB16	MB16	MB16	MB35*
25 mm ²	n/a	MB35	MB35	MB35	MB35*
35 mm ²	n/a	MB35	MB35	MB35	MB70*
50 mm ²	MB35	MB35	MB70*	MB70*	MB70*
70 mm ²	MB35	MB70*	MB70*	MB70*	MB120*
95 mm ²	MB70*	MB70*	MB120*	MB120*	MB120*
120 mm ²	MB70*	MB120*	MB120*	MB120*	MB300*
150 mm ²	MB70*	MB120*	MB120*	MB120*	MB300*
185 mm ²	MB70*	MB120*	MB300*	MB300*	MB300*
240 mm ²	MB120*	MB300*	MB300*	MB300*	MB300*
300 mm ²	MB120*	MB300*	MB300*	MB300*	n/a

* denotes not a standard cable joint, please contact us for more information

cable jointing kits & accessories

RESIN AND GEL PRODUCTS

High-grade two component Polyurethane and Epoxy resin and gel systems can be used to insulate, seal and increase performance of electrical and electronic devices. For use in electrical and electronic design, production and maintenance applications, environmental protection, mechanical protection, and chemical protection.

- Products available include:
- Gelseal Re-enterable Gel
 - Joint & Repair Resin for Flexible and Trailing Cables
 - Conveyor Belt and Rubber Repair Resin
 - Resins for Traffic Control Industry
 - Resins for Potting, Encapsulating and Casting



UNDERGROUND WARNING TAPE

The most economical way of warning excavators of buried services below ground. Standard texts are available or tapes can be printed with any text in any language, any colour and any size.

Various thicknesses of polyethylene available, with excellent chemical resistance and lead free pigments with virgin grade film.

- Material: high quality linear low density polyethylene
- Elongation: machine direction 350% min, traverse direction 300% min
- Tensile Strength (nominal): machine direction 20N/mm², traverse direction 20N/mm²
- Compliance: ESI-12-23



MECHANICAL CONNECTORS - STRAIGHT

Mechanical connectors are designed for straight connections on stranded or solid service cables.

- The ferrules are manufactured in brass for suitability of jointing either copper / aluminium, sector / circular shaped conductor cores.
- The completed connection on each conductor has a smooth profile and assists in the formation of a compact joint.



connector reference	type	min	max
straight 6	straight through	1.5 mm	6.0 mm
straight 16	straight through	10 mm	16.0 mm
straight 35	straight through	16 mm	35.0 mm
straight 70	straight through	35 mm	70.0 mm
straight 120	straight through	95 mm	120 mm

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BRASS TUNNEL CONNECTORS 1.5mm - 120mm

Designed for straight connectors on stranded or solid service cables up to 95 mm.



MFI SHEER OFF MECHANICAL CONNECTORS 95mm-500mm

Used for the joining of stranded aluminium or copper cores.

Sheer off screws to ensure a consistent and reliable connection.

Supplied with brass gauze to improve electrical stability when joining copper cores.



PI BRANCH CONNECTORS up to 35mm

Used for joining all designs of service cables up to 35mm.

Made from aluminium alloy.

Supplied with brass gauze to improve electrical stability when joining copper cores.



US1 BRANCH CONNECTORS up to 300mm mains and 300mm service

Used for joining of sector shaped conductors.

Sheer off screws to ensure a consistent and reliable connection.

Supplied with brass gauze to improve electrical stability when joining copper cores.



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WM BRANCH CONNECTORS up to 300mm mains and 300mm service

Used for all sector shaped conductors.

Sheer off screws to ensure a consistant and reliable connection.

Supplied with brass gauze to improve electrical stability when joining copper cores



SIB PRE INSULATED CONNECTORS up to 35mm

Insulated straight or branch connectors that can be used in cast resin joints.

Suitable for copper and aluminium conductors.

Connectors consist of a tinned brass terminal and have a grey polycarbonate insulation housing.

Operating temperature range: -40°C to +120°C



CONSTANT FORCE SPRINGS (CFS)

Are the ideal method to complete electrical continuity across the joint on armoured power cables for straight or branch joints.

Manufactured from Stainless Steel to BS EN 10151, Grade 1.4310



cable jointing kits & accessories

CORALINE FLUX

cat no	pack size
T70131-01	0.10 kg tin
T70131-02	0.45 kg tin



BICASEAL - SOLID SETTING PUTTY

cat no
F70612-52



ELECTRICAL WEATHERPROOF COMPOUND

cat no	pack size
R391	0.5 kg pack
R392	3.0 kg pack



JOINTING PASTE

An oxide inhibiting paste designed to prevent galvanic corrosion and to enhance connections in electrical joints

cat no	pack size
BX1 - 225	
BX1 - BUCKET	3kg
BX13-BUCKET	3kg



cable jointing kits & accessories

DUCT SEALING SYSTEMS - FIRE, GAS & WATER RESISTANT

Underground cables and pipes entering buildings, can allow gas or water penetration if they are not sealed correctly.

The following products are 100% gas and water tight.

Resistant to Hydrogen Sulphide / Methane and many other gasses.

Compliance: BS EN1366-3:2009

ATEX and WIMES compliant

Can be used in any shaped or sized duct up to 220mm

DUCT SEALING SYSTEM TYPE MD I

Developed for sealing of ducts containing pliable cables which can be bent down to a small radius.

This system allows vulnerable cables to be positioned along the wall to where they are needed.

MD I -1 set for openings from 16mm to 32mm and cables up to 12.5mm diameter

MD I -2 set for openings from 32mm up to 60mm and cables up to 25mm diameter



DUCT SEALING SYSTEM TYPE MD II

Developed to provide an effective and simple solution to all gass and watertight duct sealing requirements.

MD II -0 diameter up to 160mm

MD II -1 diameter up to 125mm

MD II -2 diameter up to 110mm

MD II -3 diameter up to 50mm

MD II 250mm x 240mm cap



DUCT SEALING SYSTEM TYPE MD III

Provides an effective solution where the opening duct is difficult to reach or where different openings are closely aligned or positioned.

MD III 50mm duct sealing system for openings up to max 50mm

MD III 75mm duct sealing system for openings up to max 75mm

MD III 110mm duct sealing system for openings up to max 110mm

MD III 160mm duct sealing system for openings up to max 160mm

MD III 200mm duct sealing system for openings up to max 200mm

MD III 220mm duct sealing system for openings up to max 220mm



cable jointing kits & accessories

DUCT SEALING SYSTEM TYPE MD IV

Suitable for quick and easy sealing of ducts where cables or pipes have to be installed at a later date.

MD IV-1 for openings from Ø75mm up to Ø95mm

MD IV-3 for openings from Ø95mm up to Ø125mm

MD IV-4 for openings from Ø125mm up to Ø160mm



MD+ SEALANT

Is a fire resistant an flexible one-component product, based on a silicon combination. After application, the thixotropic compound cures with atmospheric moisture to form a durable fire, gas and watertight seal.

By using the MD+ sealant in conjunction with the MD I I I duct sealing system seals can be made up to 2 hours fires resistant on vertical or horizontal ducts.



FILOSEAL +

A new duct sealing system that uses a tri-flexible foam piece and MD+ creating an effective durable seal against gas and water.

Is suitable for sealing several cables or pipes contained in one duct and allows re-entry of the seal to add or remove cables and pipes as required.



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FIBRE OPTICS SEALING SYSTEMS - FTTx

Are a unique solution in creating a water and gas tight seal
Suitable for various cable scenarios in either mini / sub ducts and also in main ducts for direct burial or on blown fibre installations.

DUCT SEALING SYSTEM HDPE

The HDPE systems are suitable to provide a gas and watertight seal of HDPE mini ducts accommodating a number of miniducts.
The systems can be retro fitted for installation in existing situations.
Supplied as a set containing: 2 pcs of reinforced plastic shells and 2 pcs of fixing clamps.



description	main duct size mm O/D	minitube sealing range mm O/D	no. of ports
D/seal 32	32 mm	1 x 12mm/1 x 10mm/1 x 7.5mm	3
D/seal 32	32 mm	3 x 10 mm	3
D/seal 40	40 mm	24 x 4 mm	24
D/seal 40	40 mm	8 x 7 mm/1 x 12 mm	9
D/seal 40	40 mm	10 x 7 mm	10
D/seal 40	40 mm	5 x 10 mm	5
D/seal 40	40 mm	4 x 12 mm	4
D/seal 50	50 mm	1 x 16 mm / 3 x 12 mm	4
D/seal 50	50 mm	10 x 7 mm / 1 x 12 mm	11
D/seal 50	50 mm	18 x 7 mm	18
D/seal 50	50 mm	7 x 10 mm	7
D/seal 50	50 mm	7 x 12 mm	7

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SUB DUCT SEALING SYSTEM

The subduct systems provide an effective and simple solution to seal against gas and water.

The systems can be retro fitted for installation in existing situations.



cat no	duct size mm O/D	cable sealing range mm O/D
S/duct 10	10 mm	3.9 - 5.0 mm
S/duct 10	10 mm	5.0 - 6.5 mm
S/duct 10	10 mm	6.5 - 8.0 mm
S/duct 12	12 mm	3.9 - 5.0 mm
S/duct 12	12 mm	5.0 - 6.5 mm
S/duct 12	12 mm	6.5 - 8.0 mm
S/duct 14	14 mm	5.8 - 8.0 mm
S/duct 14	14 mm	8.0 - 10.0 mm
S/duct 16	16 mm	5.8 - 8.0 mm
S/duct 16	16 mm	8.0 - 10.0 mm
S/duct 18	18 mm	9.4 - 12.0 mm
S/duct 20	20 mm	9.4 - 12.0 mm

SEALING CAPS

Filoform sealing caps are used to provide watertight sealing of miniducts used in glass fibre networks.

Made of flexible PVC, the caps provide optimal protection against water, oil, grease and acids.

Sealing cap for 4 mm miniducts, art. nr. 822040

Sealing cap for 5 mm miniducts, art. nr. 822050

Sealing cap for 6 mm miniducts, art. nr. 822060

Sealing cap for 7 mm miniducts, art. nr. 822070

Sealing cap for 10 mm miniducts, art. nr. 822080

Sealing cap for 12 mm miniducts, art. nr. 822090

Sealing cap for 14 mm miniducts, art. nr. 822095



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TRAFFIC AND STREET LIGHTING PRODUCTS

CABINET BASE SEALANT

Used to seal the bases of electrical or communication cabinets to protect against moisture ingress.

Colours: black or clear



CET GLANDS (Central earth termination)

For the termination and bonding of SWA cables in tight confined space usually found in street lighting and the traffic industry.

There are 3 different sizes suitable for cables up to 16 mm.



SLOT CUTTING RESIN

Resin PC558 1A is a cold curing 2-component polyurethane resin specially designed for backfilling of cut slots for detector loops on motorways and all purpose trunk roads.



HEATSHRINK JOINT KITS FOR TRAFFIC, HIGHWAYS & COMMUNICATION CABLES

Quick and easy installation.

Excellent electrical insulation.

Outstanding environmental resistance.

Good mechanical strength.

Narrow profile.



cable jointing kits & accessories

GEL SEAL

Re-enterable insulating clear gel designed for the protection of electrical / electronic enclosures, boxes, terminal blocks, trunking, pipes and mechanical parts against water, moisture, dirt, dust and mechanical shock.



notes

section 10

cable ties & fixings

cable ties & fixings

NYLON 6/6 CABLE TIES

High resistance to bases, oils, greases and chloride solvents.
UL94V2

Material: Nylon 6/6
Operating temperature range: -40°C to +85°C
Colour: Natural / Black
Ordering code: CT – Length (mm) – Width (mm) – Colour (Nat/Black)



cat no	cat no	cat no	cat no
CT100-2.5	CT300-3.6	CT370-4.8	CT540-8
CT140-3.6	CT160-4.8	CT430-4.8	CT750-8
CT160-2.5	CT200-4.8	CT200-7.8	CT1000-8
CT200-2.5	CT250-4.8	CT300-7.8	CT500-13
CT200-3.6	CT300-4.8	CT370-7.8	

LSF CABLE TIES

Low smoke cable tie. High resistance to oils, greases, oil derivatives and chloride solvents.
UL94V0

Material: Nylon 6/6 Halogen free resins
Operating temperature range: -40°C to +85°C
Colour: Black only



cat no	length mm	width mm
CT200-4.8LSF	200	4.8
CT250-4.8LSF	300	4.8
CT370-4.8LSF	370	4.8

cat no	length mm	width mm
CT370-7.8LSF	370	7.8
CT540-8LSF	540	7.8
CT750-8LSF	750	8.0

cable ties & fixings

MARKER TIES

Provides generous area for marking with permanent marking pen.

Material: durable natural nylon

cat no: CT200-4.8MARKER (Fig 1)

cat no: CT100-2.5MARKER (Fig 2)



Fig 1



Fig 2

RELEASABLE TIES

Simple to install by hand and will remain firmly locked until released with finger catch on head.

Material: Nylon 6/6

Colour: Natural / Black



cat no	colour
CT150-7.8RELB	BLACK
CT200-4.8RELN	NATURAL
CT200-4.8RELB	BLACK

cat no	colour
CT300-4.8RELN	NATURAL
CT300-4.8RELB	BLACK

CABLE TRAY TIES

Designed for fixing cables to cable tray. Break the joining strip and insert into tray slots.

Material: Nylon 6/6



cat no	length mm	width mm
CTF315-7.8B	315	7.8
CTF350-12.6B	350	12.6

cable ties & fixings

WALL PLUG TIES

Integral wall plug and fixing pin for cable 6 mm to 25 mm diameter.
Strap length 110 mm
Cat no: CT200-PLUG-B



MOUNTED HEADS TIES

Mountable head cable ties used to secure bundled harnesses to panels.
UL94V2

Material: Nylon 6/6
Cat no: CT200-4.8MH



METAL CONTENT TIES

Specifically designed for use in the food and pharmaceutical industries, a metallic pigment is added which enables the ties to be detached more easily.
Halogen Free
Material: Nylon 6/6 combined with metallic compound

cat no	length mm	width mm
MCT380	380	4.8



VELCRO TIES

Designed to loop fibre optic cables without crushing or damaging the cable.

cat no	length mm	width mm
CT225-13VELCRO	225	13



cable ties & fixings

COLOURED TIES

Useful for identification.

Material: Nylon 6/6

Colour: various

cat no	length mm	width mm
CT100-2.5COLOUR	100	2.5
CT200-4.8COLOUR	200	4.8
CT300-4.8COLOUR	300	4.8



METER TIES PRINTED L1 L2 L3 LN

Printed ties for identification purposes to easily identify cables or pipes.

Customised printing available on request.

Material: Nylon 6/6

M0Q may be applicable



CABLE TIE CRADLES

Designed to take up to 9.3 width cable tie and M5 screw, it has black mounts which are resistant to UV radiation.

Material: Nylon 6/6 screw fix cradle

Operating temperature range: -40°C to +80°C

cat no	maximum tie width mm
CRAD78B	9.3
CRAD78N	9.3



cable ties & fixings

CABLE TIE EYELETS

Screw fix eyelet designed to take up to 4.8mm width tie and M4 screw.
Material: Nylon 6/6

cat no	colour	screw fix	max cable width mm
CLPM1	natural	M4	4.8
CLPM1B	black	M4	4.8



CABLE TIE FIXING BOLTS

Designed to fit cables to walls without use of screws and plugs – simply drill hole and push fit.
Accepts cable ties up to 9mm width.

cat no	drill size mm
CTFBB6	6
CTFBB9	9



CABLE TIE ADHESIVE BASES

Offers excellent insulation and chemical resistance.
Black mounts are ideal where applications are subject to sunlight and aggressive external conditions.
Coating of synthetic rubber on both sides of foam base ensures high levels of instant tack and adhesion.

cat no	length mm	width mm
CTB19N	19	19
CTB19B	19	19
CTB27N	28	28
CTB27B	28	28

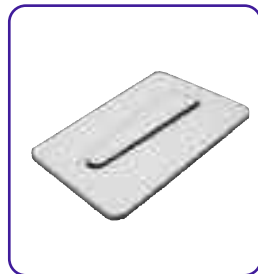


cable ties & fixings

SAC ADHESIVE CLIPS

Has an adhesive backing which has a deformable tongue which can be easily shaped around cables

Material: mild steel with high gloss polyester coating



cat no	length mm	width mm	max cable Ø mm	max load kg
SAF0	20	15	3	0.7
SAF1	30	20	4	1.3
SAF2	35	25	8	2
SAF3	43	31	12	4
SAF4	51	38	16	6
SAFTC1	35	25	TIE	2
SAFTC2	43	31	HOLDER	4

LADDER STAINLESS STEEL TIE

Ladder ties are self locking for easy applications, this locking system provides a strong hold even tensioned by hand.

Available in 7mm and 12mm widths.

Material: Stainless Steel 304

Available coated or uncoated

cat no: CTSS225-LADDER

cat no: CTSS330-LADDER

cat no: CTSS430-LADDER

cat no: CTSS630-LADDER



BUCKLE STAINLESS STEEL TIE

Nylon coated ties with a buckle type locking mechanism making them easy to install. Halogen free.

Standard width 5mm, also available in 10mm width.

Material: marine grade 316 Stainless Steel

Available coated or uncoated

Operating temperature range: +80°C

cat no: CTSS225-COATED

cat no: CTSS330-COATED

cat no: CTSS430-COATED

cat no: CTSS630-COATED



cable ties & fixings

BALL LOCK STAINLESS STEEL TIE

Ideal for very hot, aggressive or hazardous environments, it is flame retardant and has high tensile strength.
Fast and secure installation.
Available in 4.6mm and 7.9mm width.

Material: Stainless Steel 304
Also available in Stainless Steel 316 with tough acrylic coating (EVA)
Operating temperature range: -80°C to +538°C
Colours: Black and red in some sizes



cat no	length mm	width mm	loop tensile strength kg
CTSS150	150	4.6	45
CTSS200	200	4.6	45
CTSS300	300	4.6	45
CTSS360	360	4.6	45
CTSS520	520	4.6	45
CTSS200EVA	200	4.6	45
CTSS300EVA	300	4.6	45
CTSS360EVA	360	4.6	45

section 11

cable sleeving

cable sleeving

PVC SLEEVE

PVC sleeving supplied in 100m coils with 0.5mm wall thickness.
Compliance: BS2848 type 3 class 85T
Self extinguishing: -20°C to +70°C
Colours: Black, grey, blue, red, brown, white, green/yellow
Size range ID: 2mm, 3mm, 4mm, 6mm, 15mm



GROMMET STRIP

Smooth edged LDPE Grommet strip.
Suitable for a range of panel thickness 0.4mm to 3mm

cat no	panel thickness
GS1	0.4 mm - 1.0 mm
GS2	1.1 mm - 1.5 mm
GS3	1.6 mm - 2 mm
GS4	2.1 mm - 3 mm



section 12

heatshrink

HEATSHRINK 2/1 RATIO

Flexible polyolefin tubing designed for commercial use for insulation, wire bundling, colour coding and mechanical protection.
Shrink ratio 2/1 in a range of sizes 1.2 mm to 101 mm.
Flame retardant UL94V-0 UL224/MIL-I-23053/5.
Operating temperature range: -55°C to +135°C
Colours: black, blue, brown, clear, green, green/yellow, red, violet, white, yellow



cat no	recovered mm
HS1.2	0.6
HS1.6	0.8
HS2.4	1.2
HS3.2	1.6
HS4.8	2.4
HS6.4	3.2
HS9.5	4.8

cat no	recovered mm
HS12.7	6.4
HS19	9.5
HS25	12.7
HS38	19.0
HS50	25.4
HS75	38.0
HS101	50.0

HEATSHRINK PACKS 2/1 RATIO

Flexible polyolefin tubing designed for commercial use for insulation, wire bundling, colour coding and mechanical protection.
Shrink ratio 2/1 in a range of sizes 4.8 mm to 50 mm.
Colours in pack: black, blue, grey, brown



cat no	cat no	cat no	cat no
HSP4NC HSP6NC	HSP9NC HSP12NC	HSP19NC HSP25NC	HSP38NC HSP50NC

HEATSHRINK BOXES 2/1 RATIO

Flexible polyolefin tubing designed for commercial use for insulation, wire bundling, colour coding and mechanical protection.
Shrink ratio 2/1 in a range of sizes 1.6 mm to 25.4 mm
Colours: black, blue, brown, clear, green, green/yellow, red, violet, white, yellow



cat no	size internal mm	box size mtrs
HSB1.6	1.6	15m
HSB2.4	2.4	15m
HSB3.2	3.2	15m
HSB4.8	4.8	10m
HSB6.4	6.4	10m

cat no	size internal mm	box size mtrs
HSB9.5	9.5	10m
HSB12.7	12.7	8m
HSB19	19.1	5m
HSB25	25.4	3m

section 13

malleable conduit fittings

malleable conduit fittings

STEEL CONDUIT FITTINGS

Galvanised and black enamel finish are available as standard on all fittings.
Compliance: BS4568 and BS31 where applicable.

MILLED EDGE LOCKRINGS

cat no	size	quantity
SLR20	20 mm	100
SLR25	25 mm	100
SLR32	32 mm	100
SLR1.5	1 1/2"	100
SLR2	2"	50



SPACER BAR SADDLES

Hollow Back 20-25 mm.

cat no	size	quantity
20SBS	20 mm	100
25SBS	25 mm	100
32SBS	32 mm	25
1.5SBS	1 1/2"	20
2SBS	2"	20



LIGHT GAUGE SADDLES

cat no	size	quantity
LGS20	20 mm	100
LGS25	25 mm	100
LGS32	32 mm	100
LGS1.5	1 1/2"	50
LGS2	2"	25



malleable conduit fittings

DISTANCE SADDLES

Malleable base.

cat no	size	quantity
20DS	20 mm	50
25DS	25 mm	50
32DS	32 mm	25
1.5DS	1 1/2"	20



LOCKNUTS

Light gauge.

cat no	size	quantity
SLN20	20 mm	100
SLN25	25 mm	100
SLN32	32 mm	100
SLN1.5	1 1/2"	50
SLN2	2"	25



LOCKNUTS

Heavy gauge.

cat no	size	quantity
SLN20HG	20 mm	100
SLN25HG	25 mm	100
SLN32HG	32 mm	50



malleable conduit fittings

WASHERS

Serrated internal BZP.

cat no	size	quantity
C20SW	M20	200
C25SW	M25	100



SCREWED NIPPLES

Self colour.

cat no	size	quantity
20NI	20 mm	100
25NI	25 mm	100
32NI	32 mm	50
1.5NI	1 1/2"	50
2NI	2"	20



ADAPTORS

3/4" female x 20 mm male.

20 mm female x 3/4" male.

cat no	finish	quantity
GR3/4-M20	BZP	10
GR20-3/4	BZP	10



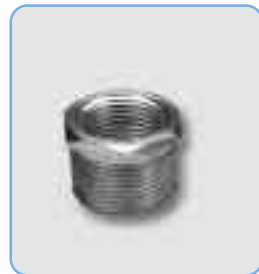
malleable conduit fittings

REDUCERS

Other sizes available.

BZP finish.

cat no	size	quantity
GR20-16	20 - 16 mm	100
GR25-20	25 - 20 mm	100
GR32-20	32 - 20 mm	25
GR32-25	32 - 25 mm	25
GR1 1/2-32	1 1/2" - 32 mm	10



SOLID COUPLERS

cat no	size	quantity
20SC	20 mm	100
25SC	25 mm	50
32SC	32 mm	50
1.5SC	1 1/2"	25
2SC	2"	20



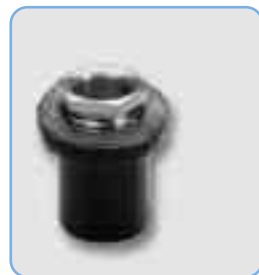
FLANGE COUPLERS

Malleable and complete with BESA bush and lead washer.

Steel available POA.

Galvanised finish.

cat no	size	quantity
20FC	20 mm	50
25FC	25 mm	50



malleable conduit fittings

EARTH COUPLERS

Galvanised finish.

cat no	size	quantity
20SEC	20 mm	100
25SEC	25 mm	50



DOME COVERS

cat no	finish	quantity
DC20B	black	50
DC20G	galvanised	50



HOOK PLATES

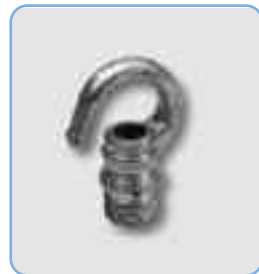
cat no	finish	quantity
HPB	black	50
HPG	BZP	50



malleable conduit fittings

SCREWED MALE HOOKS

cat no	finish	max load	quantity
MSH20B	black	60 kg	50
MSH20G	galvanised	60 kg	50



CRAMPETS (FLAT)

Twisted crampets are also available.

cat no	finish	size	quantity
CR20B	black	20 mm	100
CR20G	BZP	20 mm	100
CR25B	black	25 mm	100
CR25G	BZP	25 mm	100



EXTENSION RINGS

cat no	size	quantity
ER13	13 mm	50
ER20	20 mm	25
ER25	25 mm	25
ER32	32 mm	20
ER40	40 mm	25



malleable conduit fittings

HEXAGON STOPPING PLUGS

cat no	finish	quantity
SP20B	black	100
SP20G	BZP	100
SP25B	black	100
SP25G	BZP	100



RUBBER GASKETS

cat no	quantity
CRG	100



STEEL LIDS

Light gauge.

cat no	finish	quantity
LIDB	black	100
LIDG	BZP	100



malleable conduit fittings

STEEL LIDS
Heavy gauge.

cat no	finish	quantity
LDG/H	galvanised	50



BALL & SOCKET COVERS

cat no	finish	quantity
BASCG	galvanised	25



LOOPIN BOXES
20 mm, 1,2,3 and 4 hole.

cat no	finish	quantity
20CBL	BZP	25



malleable conduit fittings

NORMAL BENDS

Galvanised

cat no	size	quantity
20SBG	20 mm	25
25SBG	25 mm	10



ARMOURED CABLE GLANDS

Die cast.

cat no	size	cable	quantity
PD427	20 mm	10 - 12 mm	100
PD428	25 mm	12 - 20 mm	50



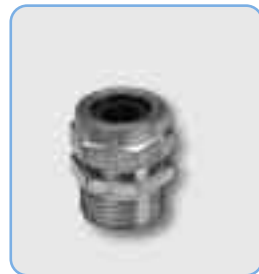
malleable conduit fittings

BRASS CONDUIT FITTINGS

Compliance: BS4568 and BS31 where applicable.

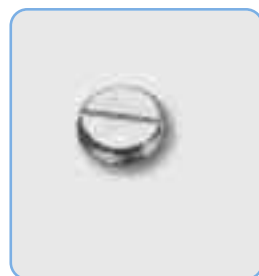
TRS STUFFING GLANDS

cat no	size	quantity
C16TRS	16 mm	100
C20TRS	20 mm	100
C25TRS	25 mm	50
C32TRS	32 mm	10



SLOTTED PLUGS

cat no	size	quantity
SP20SL	20 mm	100
SP25SL	25 mm	50

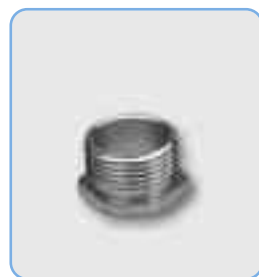


MALE BUSHES

Short patt.

Light pattern.

cat no	size	quantity
MBB20S	20 mm	100
MBB25S	25 mm	100
MBB32S	32 mm	50
MBB1.5S	1 1/2"	50
MBB2S	2"	20



malleable conduit fittings

MALE BUSHES
Long patt.
BESA pattern.

cat no	size	quantity
MBB20L	20 mm	100
MBB25L	25 mm	100
MBB32L	32 mm	50
MBB1.5L	1 1/2"	20
MBB2L	2"	10



FEMALE BUSHES

cat no	size	quantity
FBB20	20 mm	100
FBB25	25 mm	100
FBB32	32 mm	100
FBB1.5	1 1/2"	100
FBB2	2"	50



STOCKS, DIES, GUIDES, TALLOW & CUTTING COMPOUND

cat no	description
CDS2025	set 20 mm & 25 mm stocks, dies & guides
CS1	stocks for use with 20 & 25 dies & guides
CD20	dies 20 mm
CD25	dies 25 mm
CDG20	guides 20 mm
CDG25	guides 25 mm
TAL	tallow 1/2lb in plastic tub
CUTCOM	cutting compound 450g tin



malleable conduit fittings

STEEL ADAPTABLE BOXES

Supplied with knockouts.

Plain sides available in pre-galvanised finish only

Compliance: BS4568

size imperial	size metric
2 x 2 x 2"	50 x 50 x 50 mm
3 x 3 x 1 1/2"	75 x 75 x 37.5 mm
3 x 3 x 2"	75 x 75 x 50 mm
3 x 3 x 3"	75 x 75 x 75 mm
4 x 3 x 2"	100 x 75 x 50 mm
4 x 4 x 1 1/2"	100 x 100 x 37.5 mm
4 x 4 x 2"	100 x 100 x 50 mm
4 x 4 x 3"	100 x 100 x 75 mm
4 x 4 x 4"	100 x 100 x 100 mm
6 x 3 x 2"	150 x 75 x 50 mm
6 x 4 x 2"	150 x 100 x 50 mm
6 x 4 x 3"	150 x 100 x 75 mm
6 x 4 x 3"	150 x 100 x 100 mm
6 x 6 x 1 1/2"	150 x 150 x 37.5 mm
6 x 6 x 2"	150 x 150 x 50 mm
6 x 6 x 3"	150 x 150 x 75 mm
6 x 6 x 4"	150 x 150 x 100 mm
6 x 6 x 6"	150 x 150 x 150 mm
9 x 6 x 2"	225 x 150 x 50 mm
9 x 6 x 3"	225 x 150 x 75 mm
9 x 6 x 4"	225 x 150 x 100 mm
9 x 9 x 2"	225 x 225 x 50 mm
9 x 9 x 3"	225 x 225 x 75 mm
9 x 9 x 4"	225 x 225 x 100 mm
9 x 9 x 6"	225 x 225 x 150 mm
12 x 6 x 3"	300 x 150 x 75 mm
12 x 6 x 4"	300 x 150 x 100 mm
12 x 9 x 3"	300 x 225 x 75 mm
12 x 9 x 4"	300 x 225 x 100 mm
12 x 9 x 6"	300 x 225 x 150 mm
12 x 12 x 2"	300 x 300 x 50 mm
12 x 12 x 3"	300 x 300 x 75 mm
12 x 12 x 4"	300 x 300 x 100 mm
12 x 12 x 6"	300 x 300 x 150 mm



malleable conduit fittings

GRADE A MALLEABLE CONDUIT BOXES & FITTINGS

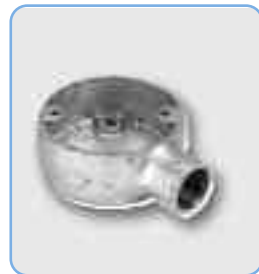
Compliance: BSEN 50086

A SERIES

TERMINAL

1 way

cat no	finish	quantity
20CB1B	black	10
20CB1G	galvanised	10



THROUGH

2 way

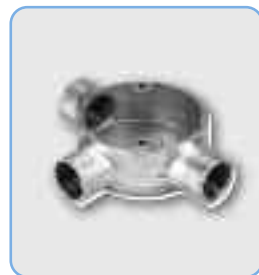
cat no	finish	quantity
20CB2B	black	10
20CB2G	galvanised	10



TEE

3 way

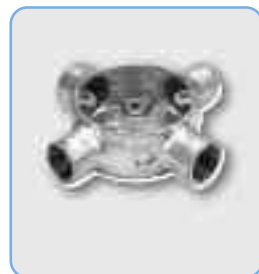
cat no	finish	quantity
20CB3B	black	10
20CB3G	galvanised	10



INTERSECTION

4 way

cat no	finish	quantity
20CB4B	black	10
20CB4G	galvanised	10

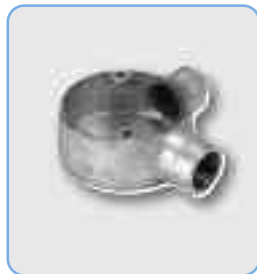


malleable conduit fittings

ANGLE

2 way

cat no	finish	quantity
20CB2.5B	black	10
20CB2.5G	galvanised	10



U BRANCH

2 way

cat no	finish	quantity
20CB6B	black	10
20CB6G	galvanised	10

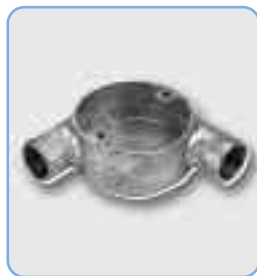


B SERIES

TANGENT ANGLE

2 way

cat no	finish	quantity
20CB18B	black	10
20CB18G	galvanised	10



TANGENT TEE

3 way

cat no	finish	quantity
20CB17B	black	10
20CB17G	galvanised	10



malleable conduit fittings

Y BRANCH

3 way

cat no	finish	quantity
20CB7B	black	10
20CB7G	galvanised	10



H THROUGH

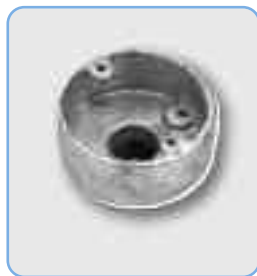
4 way

cat no	finish	quantity
20CB15B	black	10
20CB15G	galvanised	10



BACK OUTLET

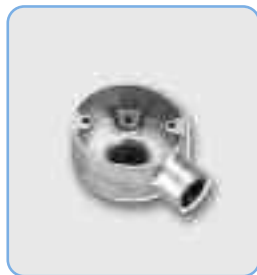
cat no	finish	quantity
20CB5B	black	10
20CB5G	galvanised	10



TERMINAL - BACK OUTLET

1 way

cat no	finish	quantity
20CB1TB	black	10

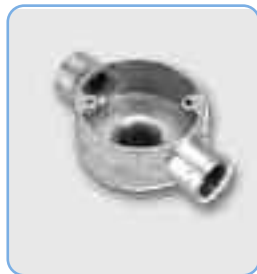


malleable conduit fittings

THROUGH - BACK OUTLET

2 way

cat no	finish	quantity
20CB2TG	galvanised	10



ANGLE - BACK OUTLET

2 way

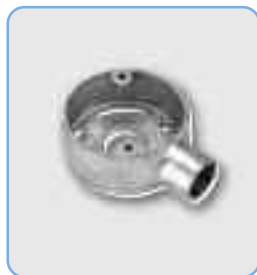
cat no	finish	quantity
20CB2.5TG	galvanised	10



TERMINAL EXTENSION

1 way

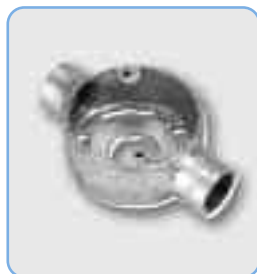
cat no	finish	size	quantity
20CB1B/EXT	black	20 mm	10
20CB1G/EXT	galvanised	20 mm	10



THROUGH EXTENSION

2 way

cat no	finish	size	quantity
20CB2B/EXT	black	20 mm	10
20CB2G/EXT	galvanised	20 mm	10

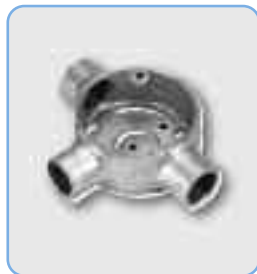


malleable conduit fittings

TEE - EXTENSION

3 way

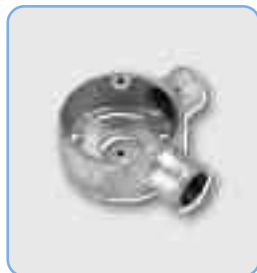
cat no	finish	size	quantity
20CB3B/EXT	black	20 mm	10
20CB3G/EXT	galvanised	20 mm	10



ANGLE - EXTENSION

2 way

cat no	finish	size	quantity
20CB2.5B/EXT	black	20 mm	10
20CB2.5G/EXT	galvanised	20 mm	10



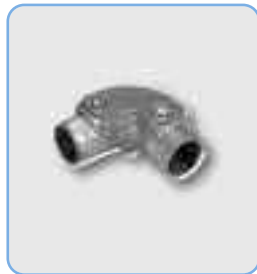
INSPECTION BENDS

cat no	finish	size	quantity
20IBB	black	20 mm	25
20IBG	galvanised	20 mm	25
25IBB	black	25 mm	10
25IBG	galvanised	25 mm	10



INSPECTION ELBOWS

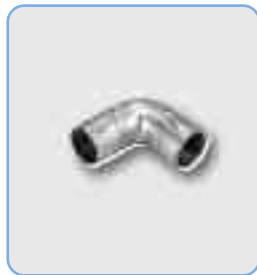
cat no	finish	size	quantity
20IEB	black	20 mm	25
20IEG	galvanised	20 mm	25
25IEB	black	25 mm	25
25IEG	galvanised	25 mm	25



malleable conduit fittings

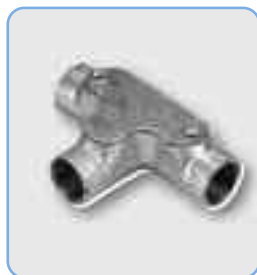
SOLID ELBOWS

cat no	finish	size	quantity
20SEG	galvanised	20 mm	25
25SEG	galvanised	25 mm	25



INSPECTION TEES

cat no	finish	size	quantity
20ITB	black	20 mm	25
20ITG	galvanised	20 mm	25
25ITG	galvanised	25 mm	20



section 14
flexible conduit & accessories

flexible conduit & accessories

PVC COVERED GALVANISED STEEL FLEXIBLE CONDUIT

The DFP range conduit system has been designed to provide high mechanical protection. Highly flexible format, durable and versatile, it offers a degree of waterproofing as well as flexibility.

Can be used in a wide range of dynamic and static applications and in most industrial and commercial environments

Rated to: IP54

Colour: black as standard



cat no	O.D. mm	I.D. mm	pack lengths	swivel fitting	fixed fitting
DFP16	17.0	13.0	10-30 mtrs	DF 16 DS	DF 16 D
DFP20	21.0	17.0	10-30 mtrs	DF 20 DS	DF 20 D
DFP25	26.0	21.0	10-30 mtrs	DF 25 DS	DF 25 D
DFP32	34.0	29.0	10-30 mtrs	DF 32 DS	DF 32 D
DFP40	44.0	38.0	10-30 mtrs	DF 40 DS	DF 40 D
DFP50	57.0	49.0	10-30 mtrs	DF 50 DS	DF 50 D

GALVANISED STEEL FLEXIBLE CONDUIT & FITTINGS

The DF range conduit system has been designed to offer an economical solution to a wide variety of industrial applications.

Inherently limited fire hazard, the DF range operates efficiently across a broad range of temperatures.

Can be used when high flexibility and good mechanical strength is required.

Typically used on underfloor wiring installations.

Larger diameter sizes available on request up to and including 24 inches.

Full range of stainless steel flexible conduit up to 12 inches is available on request.

Rated to: IP40



cat no	O.D. mm	I.D. mm	pack lengths	swivel fitting	fixed fitting
DF16	16.0	13.0	10-30 mtrs	DF 16 DS	DF 16 D
DF20	20.0	17.0	10-30 mtrs	DF 20 DS	DF 20 D
DF25	25.0	21.0	10-30 mtrs	DF 25 DS	DF 25 D
DF32	32.0	28.0	10-30 mtrs	DF 32 DS	DF 32 D
DF40	40.0	38.0	10-30 mtrs	DF 40 DS	DF 40 D
DF50	50.0	49.0	10-30 mtrs	DF 50 DS	DF 50 D
DF63	63.0	57.5	10 mtrs	-	DF 63 D
DF75	77.0	70.0	10 mtrs	-	DF 75 D
DF100	102.0	95.0	10 mtrs	-	DF 100 D

flexible conduit & accessories

LIQUID TIGHT SEAL FLEXIBLE CONDUIT

The DLT conduit range is made with a galvanised steel inner casing, cotton packed and an outer thermoplastic covering.

Suitable for all general purpose installations where some movement or vibration is present and is made for internal or external installations.

Very high degree of impact protection.

High IP rating when required.

Rated to: IP67

Colour: black as standard



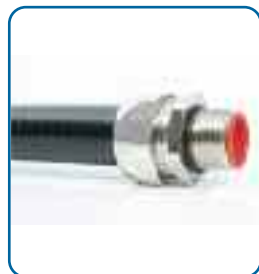
cat no	O.D. mm	I.D. mm	pack lengths	fixed fitting
DLT16	17.8	12.6	10-30 mtrs	DF 16 MU
DLT20	21.1	16.0	10-30 mtrs	DF 20 MU
DLT25	26.4	21.0	10-30 mtrs	DF 25 MU
DLT32	32.1	26.5	10-30 mtrs	DF 32 MU
DLT40	41.9	35.1	10-30 mtrs	DF 40 MU
DLT50	47.8	40.3	10-30 mtrs	DF 50 MU
DLT63	59.9	51.6	10-30 mtrs	DF 63 MU

PVC COVERED GALVANISED STEEL WITH A BRAIDED STEEL OVERSHEATH

The DBS conduit range is designed with harsh environments in mind. It has a uniform coating of PVC extruded onto the galvanised steel conduit, which is then overbraided with steel wire which gives this type of conduit its EMI screen protection and covers requirements on installations covered by the EMC directive.

Enhanced resistance to abrasion or mechanical damage e.g. In the vicinity of metal machinery or welding equipment.

Rated to: IP67



cat no	O.D. mm	I.D. mm	pack lengths	fixed fitting
DBS16	18.0	12.0	10-30 mtrs	DF 16 MU
DBS20	21.0	15.5	10-30 mtrs	DF 20 MU
DBS25	26.0	20.5	10-30 mtrs	DF 25 MU
DBS32	33.0	26.5	10-30 mtrs	DF 32 MU
DBS40	42.0	34.5	10-25 mtrs	DF 40 MU
DBS50	47.0	39.5	10-25 mtrs	DF 50 MU
DBS63	57.0	50.5	10-25 mtrs	DF 63 MU

flexible conduit & accessories

PVC SPIRAL REINFORCED SELF EXTINGUISHING FLEXIBLE CONDUIT

The DFS conduit range is of an insulated construction which offers complete protection to cables whilst a smooth bore facilitates fast insertion. It is highly flexible and easy to use and can be coiled on its own diameter without effort or damage to the conduit, and with no reduction in its cross section and cables are protected at all times, no matter how highly flexed.

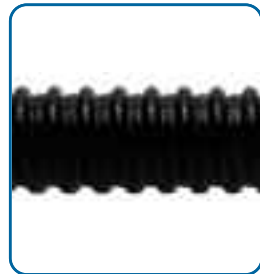
Weatherproof and self extinguishing.

Ideal for general purpose applications.

Rated to: IP65

Operating temperature range: -10°C to +75°C

Colour: black as standard



cat no	O.D. mm	I.D. mm	pack lengths	swivel fitting
DFS16	16.0	12.0	10-30 mtrs	DS 16
DFS20	20.0	16.0	10-30 mtrs	DS 20
DFS25	27.0	22.0	10-30 mtrs	DS 25
DFS32	33.0	28.0	10-30 mtrs	DS 32
DFS40	40.0	35.0	10-30 mtrs	DS 40
DFS50	47.0	40.0	10-30 mtrs	DS 50
DFS63	57.0	50.0	10-30 mtrs	DS 63

POLYPROPYLENE L.S.O.H FLEXIBLE CONDUIT

The DML conduit system is a general purpose pliable conduit range for use on static applications.

Suitable for wiring protection and routing static, light duty industrial and commercial installations where regular flexing is not required.

Often combined with white or black trunking or rigid conduit systems.

Available in contractor packs on request.

Rated to: IP54

Colour: black, white or grey as standard



cat no	O.D. mm	I.D. mm	pack lengths	fixed fitting
DML16	16.0	10.7	100 mtrs	DM 16
DML20	20.0	14.1	100 mtrs	DM 20
DML25	25.0	18.2	50 mtrs	DM 25
DML32	32.0	24.2	25 mtrs	DM 32
DML40	40.0	32.4	25 mtrs	DM 40
DML50	50.0	41.2	25 mtrs	DM 50
DML63	63.0	50.6	25 mtrs	DM 63

section 15

earthing & lightning protection

earthing & lightning protection

3/8" EARTH RODS & CLAMPS (Non Extensible System)

nominal dia	length mm	weight (kg)	cat no
3/8"	1200	0.62	RB005
rod to cable lug clamp (type B)		0.09	CR205
rod to cable clamp (type G)		0.03	CR505



5/8" EARTH RODS & CLAMPS (Extensible System)

nominal dia	length mm	thread dia	shank dia mm	weight (kg) per rod	cat no
5/8"	1200	5/8"	14.2	1.53	RB205
5/8" coupling				0.09	CG270
5/8" driving stud				0.08	ST200
rod to tape clamp				0.15	CR105
rod to cable clamp				0.06	CR515
'U' bolt clamp for cable				0.20	CR305
'U'bolt clamp for tape				0.26	CR320



EARTH PITS

description	weight (kg) each	cat no
regular duty concrete pit	30.00	PT005
high performance polymer pit	1.80	PT205
5 hole earth bar for PT005	0.49	PT006
5 hole earth bar for PT205	0.40	PT004



FLEXIBLE BRAID BONDS

overall braid mm	hole size mm	hole centres mm	weight (kg) each	cat no
25 x 3.5	11	200	0.09	BN505
25 x 3.5	11	400	0.15	BN510



earthing & lightning protection

EARTH BARS & DISCONNECTING LINKS

nominal dia	L mm	W mm	H mm	weight (kg)	cat no
disconnecting link	125	90	90	0.59	LK205
six way earth bar with single disconnecting link	575	90	96	2.75	LK243
six way earth bar with twin disconnecting link	650	90	96	3.19	LK207
six way earth bar	500	90	90	2.31	LK245
swan neck link	150	-	-	0.42	LK004



CONDUCTOR FIXINGS

conductor size mm & type	material	weight (kg)	cat no
25 x 3 bare	metal	0.07	CP210
25 x 3 bare	plastic	0.01	CP015
25 x 3 PVC green / green & yellow	plastic	0.01	CP035
25 x 3 Grey	plastic	0.01	CP040
1"1/2 x no. 10 woodscrews		0.50/100	SW105
no. 10 plastic wall plugs		0.06/100	PS305



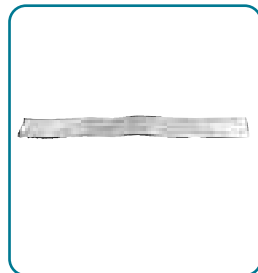
COPPER TAPE CONDUCTORS

conductor size mm & description	weight (kg) per m	cat no
25 x 3 bare copper	0.67	TC030
25 x 3 PVC green	0.77	TC110
25 x 3 PVC grey	0.77	TC115



PVC INSULATED TAPE

conductor size mm & description	weight (kg) per m	cat no
25 x 3 PVC green & yellow	0.79	TC111



section 16
electrical & mechanical fixing systems

electrical & mechanical fixing systems

cat no	dimensions	load data
BX-S/L/M	2-20 mm	-



cat no	dimensions	load data
BU/BMU	3-20 mm	35-45 kg



cat no	dimensions	load data
BE-CT/H4/F62	2-20 mm	70 kg



cat no	dimensions	load data
BC/BH/BMH/BCH-CI	≤18 mm	14-45 kg



electrical & mechanical fixing systems

cat no	dimensions	load data
BC-08/12 / BMC-06/12	$\leq 18 / \leq 23$ mm	100-340 kg



cat no	dimensions	load data
BMC-24/26	24-46 mm	110 kg



cat no	dimensions	load data
B75 I-M10	≤ 19 mm	220 kg



cat no	dimensions	load data
BF/BH/BHM/-F	1.5-6.5 mm	45-70 kg



electrical & mechanical fixing systems

cat no	dimensions	load data
BF14-C/BH4-F12/BF12	≤2.8 mm	11-45 kg



cat no	dimensions	load data
BH21	≤25mm-Ø11mm	25 kg



cat no	dimensions	load data
BCH12/64/ BCH21/32-2/4S	-	14/60/90/ 120 kg



cat no	dimensions	load data
BH2/4/5/13/14/ BMH8/10	≤18 mm/ ≤23 mm	100-340 kg



electrical & mechanical fixing systems

cat no	dimensions	load data
BH2/4/13/14-H8	M6-M8 / 11/13 mm	70 kg



cat no	dimensions	load data
BD8	0.8-2 mm / 2-3 mm	45/90 kg



cat no	dimensions	load data
BWN	Ø M4-M10	-



cat no	dimensions	load data
BCD	12-22 mm	-



electrical & mechanical fixing systems

cat no	dimensions	load data
BCH12/32-W2/6	M3-M12	11 kg



cat no	dimensions	load data
BA-04-16-H/MZ	25 mm	18 kg



cat no	dimensions	load data
BA/BMA/BMAX	25 mm	22 kg



cat no	dimensions	load data
BP-8/16 - BG-8/32	Ø 18-35 mm	11-45 kg



electrical & mechanical fixing systems

cat no	dimensions	load data
BW-4/20-BW-CT	M3-M12	11-22kg



cat no	dimensions	load data
BCH21-W/AB	2-20 mm	11-14 kg



section 17

junction boxes

junction boxes

JUNCTION BOXES FOR WALL MOUNTING

High-strength technical polymer material which is heat, shock, weather and UV ray resistant.
Modern design for the pressure lid series with dome-shaped lids.
Double insulation feature according to CEI standards 64-8.
Guides on bottom for fitting terminal blocks with *5 hole and galvanised metal plate.
Pressure lids or anchored fast-tapping steel screws, with slotted and cross-heads, and plastic screws for hinged boxes.

Material: polymer
Compliance: CEI standards 64-8
Protection level for IP44, IP55, IP66

JUNCTION BOXES WITH MEMBRANE GLAND AND PRESSURE LID

Rated to: IP44
Operating temperature range: -5°C to +60°C

cat no	dimensions	entries	pieces	quantity
OL20001	Ø 65 x 35	4	5	150
OL20002	Ø 80 x 40	4	5	160
OL20003	80 x 80 x 80	6	5	160



JUNCTION BOXES WITH KNOCKOUTS

Rated to: IP44
Operating temperature range: -5°C to +60°C

cat no	dimensions	entries	pieces	quantity
OL20006	80 x 80 x 40	6	5	160



JUNCTION BOXES WITH MEMBRANE GLAND AND PRESS LID

Rated to: IP55
Operating temperature range: -15°C to +60°C

cat no	dimensions	entries	pieces	quantity
OL20009	80 x 80 x 40	6	5	160



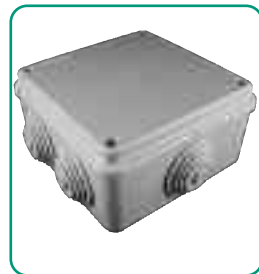
junction boxes

JUNCTION BOXES WITH MEMBRANE GLAND AND SCREW LID

Rated to: IP55

Operating temperature range: -15°C to +60°C

cat no	dimensions	entries	pieces	quantity
OL20011	100 x 100 x 50	6	1	100
OL20111	120 x 80 x 50	6	1	100
OL20012	150 x 110 x 70	10	1	45
OL20013	190 x 140 x 70	10	1	28
OL20014	240 x 190 x 90	12	1	10



JUNCTION BOXES WITH MEMBRANE GLAND AND HINGE OPENING

Rated to: IP55

With plastic hinge and screws

Operating temperature range: -15°C to +60°C

cat no	dimensions	entries	pieces	quantity
OL20015	300 x 220 x 120	12	1	6
OL20016	380 x 300 x 120	12	1	4



SMOOTH SIDED JUNCTION BOXES WITH SCREW LID

Rated to: IP56

Halogen free

Operating temperature range: -15°C to +60°C

cat no	dimensions	pieces	quantity
OL20021	100 x 100 x 50	1	100
OL20121	120 x 80 x 50	1	100
OL20022	150 x 110 x 70	1	45
OL20023	190 x 140 x 70	1	32
OL20024	240 x 190 x 90	1	10



junction boxes

SMOOTH SIDED JUNCTION BOXES WITH HINGED OPENING

Rated to: IP56

Halogen free

With plastic hinge and screws

Operating temperature range: -15°C to +60°C

cat no	dimensions	quantity
OL20025	300 x 220 x 120	6
OL20026	380 x 300 x 120	4



SMOOTH SIDED JUNCTION BOXES WITH TRANSPARENT LID & METAL SCREWS

Rated to: IP56

Halogen free

Operating temperature range: -15°C to +60°C

cat no	dimensions	quantity
OL20031	150 x 110 x 70	30
OL20032	190 x 140 x 70	32
OL20033	240 x 190 x 90	10
OL20034*	300 x 220 x 120	6
OL20035*	380 x 300 x 120	4

* with plastic hinge and screws



SMOOTH SIDED JUNCTION BOXES WITH GREY HIGH LID & METAL SCREWS

Rated to: IP56

Halogen free

Operating temperature range: -15°C to +60°C

cat no	dimensions	quantity
OL20041	150 x 110 x 140	28
OL20042	190 x 140 x 140	16
OL20043	240 x 190 x 165	8
OL20044	300 x 220 x 180	2



junction boxes

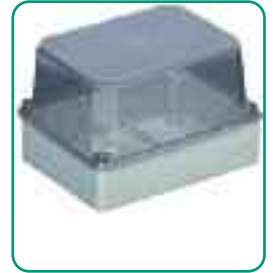
SMOOTH SIDED JUNCTION BOXES WITH HIGH TRANSPARENT LID & METAL SCREWS

Rated to: IP56

Halogen free

Operating temperature range: -15°C to +60°C

cat no	dimensions	quantity
OL20051	150 x 110 x 140	28
OL20052	190 x 140 x 140	16
OL20053	240 x 190 x 165	8
OL20054	300 x 220 x 180	4



SMOOTH SIDED JUNCTION BOXES WITH METAL SCREW LID POLYCARBONATE

Rated to: IP56

Halogen free

Operating temperature range: -15°C to +60°C

cat no	dimensions mm	quantity
OL20220	100 x 100 x 50	100
OL20221	120 x 80 x 50	100
OL20222	150 x 110 x 70	45
OL20223	190 x 140 x 70	32
OL20224	240 x 190 x 90	10
OL20225*	300 x 220 x 120	6
OL20226*	380 x 300 x 120	4



* with plastic hinge and screws

BRANCH BOXES WITH CONNECTOR BLOCK

Rated to: IP66

M20 sealed membrane knockouts complete with 5 pole connector block

Colours: black and grey

cat no	dimensions mm	quantity
Branch Box	85 x 85 x 51	8



junction boxes

SEALING BUSHINGS

cat no	max	pieces	quantity
OL20056	20	100	1000
OL20057	25	100	1000
OL20058	32	100	600



ZINC COATED BACK PLATE FOR SMOOTH SIDED JUNCTION BOXES

cat no	box dim. mm	plate dim. mm	quantity
OL20061	190 x 140	170 x 130 x 1.5	30
OL20062	240 x 190	223 x 178 x 1.5	25
OL20063	300 x 220	287 x 207 x 1.5	20
OL20064	380 x 300	360 x 283 x 1.5	10



WALL FIXING BRACKET WITH SCREWS

Halogen free

cat no	pieces	quantity
OL20090	100	1000



PLASTIC SCREW FOR BOXES

cat no	pieces	quantity
OL20091	100	1000



PLASTIC SCREW COVER

cat no	Ø	pieces	quantity
OL20095	15	100	1000



section | 8

industrial plugs, sockets & externally
mounted switches

industrial plugs, sockets & externally mounted switches

OPTIMA SCREW TERMINALS

External Cable Gland

Rated to: IP44

Colours: red, blue, yellow



cat no	description	quantity
213.1630	plug 2P+E 16A 110V IP44 NEW Optima	10
213.1633	plug 2P+E 16A 240V IP44 NEW Optima	10
213.1636	plug 3P+E 16A 415V IP44 NEW Optima	10
213.1637	plug 3P+N+E 16A 415V IP44 New Optima	10
313.1640	connector 2P+E 16A 110V IP44 NEW Optima	10
313.1643	connector 2P+E 16A 240V IP44 NEW Optima	10
313.1646	connector 3P+E 16A 415V IP44 NEW Optima	10
313.1647	connector 3P+N+E 16A 415V IP44 NEW Optima	10
213.3230	plug 2P+E 32A 110V IP44 NEW Optima	10
213.3233	plug 2P+E 32A 240V IP44 NEW Optima	10
213.3236	plug 3P+E 32A 415V IP44 NEW Optima	10
213.3237	plug 3P+N+E 32A 415V IP44 New Optima	10
313.3240	connector 2P+E 32A 110V IP44 NEW Optima	10
313.3243	connector 2P+E 32A 240V IP44 NEW Optima	10
313.3246	connector 3P+E 32A 415V IP44 NEW Optima	10
313.3247	connector 3P+N+E 32A 415V IP44 NEW Optima	10

OPTIMA ANGLED SURFACE SOCKET

Rated to: IP44



cat no	description	quantity
513.1650	angled surface mounting socket 16A 110V 2P+E	10
513.1653	angled surface mounting socket 16A 240V 2P+E	10
513.1656	angled surface mounting socket 16A 415V 3P+E	10
513.1657	angled surface mounting socket 16A 415V 3P+N+E	10
513.3250	angled surface mounting socket 32A 110V 2P+E	10
513.3253	angled surface mounting socket 32A 240V 2P+E	10
513.3256	angled surface mounting socket 32A 415V 3P+E	10
513.3257	angled surface mounting socket 32A 415V 3P+N+E	10

industrial plugs, sockets & externally mounted switches

SWITCHED & INTERLOCKED SOCKETS

Rated to: IP44



cat no	description	quantity
500.M1670	surface mounting socket omnia 16A 110V 2P+E	6
500.M1683	surface mounting socket omnia 16A 240V 2P+E	6
500.M1686	surface mounting socket omnia 16A 415V 3P+E	6
500.M1687	surface mounting socket omnia 16A 415V 3P+N+E	6
500.M3270	surface mounting socket omnia 32A 110V 2P+E	6
500.M3283	surface mounting socket omnia 32A 240V 2P+E	6
500.M3286	surface mounting socket omnia 32A 415V 3P+E	6
500.M3287	surface mounting socket omnia 32A 415V 3P+N+E	6

PROTECTA WEATHERPROOF SWITCHES & SOCKETS

Rated to: IP66



cat no	description	quantity
137.5211	10A 1 Gang Switch 2 Way SP	1
137.5221	10A 2 Gang Switch 2 Way SP	1
137.5462	20A 1 Gang Switch 1 Way DP	1
137.5222	20A 2 Gang Switch 2 Way SP	1
137.6001	13A Single Socket Unswitched	1
137.6002	13A Double Socket Unswitched	1
137.6022	13A Single Socket Switched With Neon DP	1
137.6042	13A Double Socket Switched With Neon DP	1
137.6043	13A Double Socket Switched With RCD	1
137.5410	13A Fused Spur Unit Switched	1

industrial plugs, sockets & externally mounted switches

ISOLATORS - PLASTIC COMPACT

Dimensions: 105 mm x 150 mm x 82mm
Rated to: IP65



cat no	description
590.EM2013	20A 3P Emergency Switching
590.EM2014	20A 4P Emergency Switching
590.EM3213	32A 3P Emergency Switching
590.EM3214	32A 4P Emergency Switching
590.EM4013	40A 3P Emergency Switching
590.EM4014	40A 4P Emergency Switching

ISOLATORS - PLASTIC STANDARD

Rated to: IP65



cat no	description
590.EM6303	63A 3P Emergency Switching
590.EM6304	63A 4P Emergency Switching

ENCLOSURES - PLASTIC

Rated to: IP55 / IP56



cat no	description	rating
687.001	CUBIK Ø 65 x 35 mm cable sleeve	IP55
687.002	CUBIK Ø 80 x 40 mm cable sleeve	IP55
687.003	CUBIK 80 x 80 x 40 mm cable sleeve	IP55
686.204	SCABOX 100 x 100 x 50 mm blank sides	IP56
686.205	SCABOX 120 x 80 x 50 mm blank sides	IP56
686.206	SCABOX 150 x 110 x 70 mm blank sides	IP56
686.207	SCABOX 190 x 140 x 70 mm blank sides	IP56
686.208	SCABOX 240 x 190 x 90mm blank sides	IP56
686.209	SCABOX 300 x 220 x 120mm blank sides	IP56
686.210	SCABOX 380 x 300 x 120mm blank sides	IP56
686.211	SCABOX 452 x 320 x 130mm blank sides	IP56

industrial plugs, sockets & externally mounted switches

COMBINATION UNITS

Both standard and custom built electrical distribution units designed and manufactured by Scame-UK Limited.

Advanced 2 Series:	switched and interlocked combination units
Advance GRP Series:	switched and interlocked combination units GRP
Block Series:	Rcd protected sockets
Domino Series:	Pre-Wired combination units Multi-outlet combination units
Scabox Series:	Multi-outlet socket units
Rubber Enclosures:	Bespoke rubber distribution Units



notes

section 19

tooling & test instruments

tooling

NON RATCHET CRIMPERS

SPI

Economy crimper to suit insulated crimps.

Colours: red, blue, yellow



CT6-50 6mm² to 50mm²

CT10-120 10mm² to 120mm²

CT25-150 25mm² to 150mm²

Heavy duty hexagonal crimp tools for copper tube terminals.

Dial type die - adjustment.

Double crimp required where possible along copper tube barrel.



TT95

Heavy duty indent crimp tool for copper tube and sheet terminals.

10mm² to 95mm²



RATCHET CRIMPERS

CTII.5-6

Economy crimper to suit insulated crimps.

Colours: red, blue, yellow



CTII.5-6CH

Ergonomic cushion handled grip suitable for insulated terminals.

0.5mm² to 6mm²



ESA0760C

Ergonomic cushion handled grip enables necessary force to be produced with minimum effort.

Crimp performance complies to all BS and International Standards.

0.5mm² to 6mm²



RPT

Hand ratchet tool suitable for uninsulated terminals 0.5mm^2 to 6mm^2 with F type crimp configuration.



CT1.5-16

Economy ratchet crimper to suit copper tube terminals.
 1.5mm^2 to 16mm^2



CT1016

Single handed operation to suit copper tube terminals.
 10mm^2 to 16mm^2



CT6-16

Ratchet crimper to suit copper tube terminals.
 6mm^2 to 16mm^2



CT6-25

Economy ratchet crimper to suit copper tube terminals.
 6mm^2 to 25mm^2



RT-150

Ratchet controlled 2 hand operated professional tool that comes complete with interchangeable dies and case.
 6mm^2 to 150mm^2



tooling

BLT06-6 0.5mm² to 6mm²
BLT6-16 6mm² to 16mm²
BLT25-50 25mm² to 50mm²
Suitable for boot lace ferrules.



HYDRAULIC CRIMPERS

D-C
Hexagonal die designed for copper tube terminals.
10mm² to 400mm²
Suitable for tools: HH400-C, HH10-400, CHTFP630H



HH400-C
Hydraulic crimping head used with hydraulic foot pump.
Hexagonal compression of copper tube terminals.
10mm² to 400mm²



HH10-150
Hand hydraulic crimping tool.
Hexagonal compression of copper tube terminals.
10mm² to 185mm²



HH10-400
Hand hydraulic crimping tool.
Hexagonal compression of copper tube terminals.
10mm² to 400mm²



CHTFP630H
Heavy duty hydraulic head for use with hydraulic foot pump.
Suitable for 10mm² to 630mm² copper tube terminals.



FOOT PUMP

Professional 2 stage hydraulic footpump developing a maximum pressure of 700 psi.



FOOT PUMP 2

Economy hydraulic footpump, ideal for use with crimping up to 400mm².



CABLE CUTTERS

CC1 - up to 50mm²

CC38 - up to 38mm²

Heavy duty design for cutting copper and aluminium.



CCC2

Heavy duty cutting tool that easily cuts copper and aluminium cables up to 125mm².



CCC3

Heavy duty cutting tool that easily cuts copper and aluminium cables up to 250mm².



CCC4

Heavy duty cutting tool that easily cuts copper and aluminium cables up to 500mm².



tooling

RCC325

One handed ratchet cutter suitable for copper and aluminium cables up to 240mm².



RCC325HD

Designed for core cutting of copper and aluminium cables up to 325mm² (32 mm diameter).



RCC32-AR

High performance steel wire armoured cable cutter which cuts cable up to 32 mm diameter.



CHC1

2 handed operation hydraulic cutter suitable for copper and aluminium cables up to 50mm diameter.



CHC3

Hydraulic cutting head designed to cut steel wire armoured cables with maximum overall diameter of 100mm.

Suitable for use with hydraulic footpump.



M42

Conduit cutter suitable for round and box type PVC conduits 42mm diameter maximum.



STRIPPERS / BT / EXPANDERS

KY2/KY3

Lightweight tool used for fitting neoprene sleeves, available up to 20mm diameter.



ESI

Strips outer jacket of twin + earth cables.



WS4

Single handed triple action stripper.

0.5mm² to 4mm²



Cable stripper

Strips outer jacket and insulations.

From 4.5mm to 25mm



BT Tool

Versatile punchdown tool which makes reliable connections on a variety of wire termination blocks.



tooling

CABLE TIE TENSIONERS

CTG2248

Automatic cable tie tool.

All steel heavy duty construction with a wide range of tension control settings

For cable ties 2.5mm to 4.8mm wide.



CTG9

For heavy duty cable ties.

Ties are tensioned and cut manually.

For cable ties 7.6mm and 9mm wide



CTGSS

Manual tensioning tool for stainless steel ties up to 7.9mm wide and 0.3mm thick.



VDE TOOLS

CABLE CUTTERS

Suitable for stripping and cutting of copper and aluminium cables.

Cable cross section up to 50mm² - cable up to Ø 16mm

Cable cross section up to 70mm² - cable up to Ø 25mm

cat no	dimensions	weight g
KL010160IS	160	225
KL010210IS	210	340



HEAVY DUTY COMBINATION PLIER

Handy integrated ring spanner.

Holds flat and round materials.

Integrated cutter.

cat no	dimensions	weight g
KL020165IS	165	200
KL020180IS	180	255
KL020205IS	205	280



HEAVY DUTY COMBINATION PLIER ANGLED

Ergonomic design.

Handy integrated ring spanner.

Holds flat and round materials.

Integrated cutter.

Spring assisted handles.

cat no	dimensions	weight g
KL026205IS	205	285



tooling

SIDE CUTTERS

Suitable for soft copper and aluminium wire, plastic up to Ø 7.0mm.

Suitable for hard wire and steel wire up to Ø 2.5mm.

Suitable for cable - multiconductors, single core and stranded Ø 13mm.

cat no	dimensions	weight g
KL040145IS	145	160
KL040160IS	160	220
KL040180IS	180	255



SIDE CUTTERS 3-IN-1 CUT STRIP & CRIMP

Suitable for cable - multiconductors, single core and stranded Ø 4.0mm

Suitable for hard wire and steel wire up to Ø 1.0mm

Suitable for soft copper and aluminium wire, plastic up to Ø 2.0mm.

Suitable for stripping 1.5mm² and 2.5mm² of single and stranded conductors.

cat no	dimensions	weight g
KL042190IS	190	240



LONG NOSE PLIERS, STRAIGHT / CURVED

Suitable for soft copper and aluminium wire, plastic up to Ø 2.5mm.

Suitable for medium-hard wire, nails up to Ø 3.2mm.

Suitable for hard wire and steel wire up to Ø 2.2mm.

cat no	dimensions	weight g
KL050205IS	205	215
KL055205IS	205	215



WIRE STRIPPER

Suitable for cable - multiconductors, single core and stranded 10mm² (Ø 5.0mm).

cat no	dimensions	weight g
KL060160IS	160	185



WATERPUMP PLIER 100V

50mm jaw opening.

Induction hardened teeth

cat no	dimensions	weight g
KL070250IS	250	385



tooling

SCREW DRIVERS

VDE SCREWDRIVERS FOR TORX SCREWS

cat no	dimensions	blade length	weight g
KL150TX10IS	100 x Tx 10	100	45
KL150TX15IS	100 x Tx 15	100	45
KL150TX20IS	100 x Tx 20	100	69
KL150TX25IS	100 x Tx 25	100	69
KL150TX30IS	100 x Tx 30	115	96



VDE SCREWDRIVERS FOR SLOTTED SCREWS

cat no	dimensions	blade length	weight g
KL1007525IS	7.5 x 2.5 x 0.4	75	22
KL10010030IS	100 x 3.0 x 0.5	100	28
KL10010035IS	100 x 3.5 x 0.6	100	30
KL10010040IS	100 x 4.0 x 0.8	100	44
KL10012555IS	125 x 5.5 x 1.0	125	70
KL10015065IS	150 x 6.5 x 1.2	150	86
KL10017580IS	175 x 8.0 x 1.2	175	135



VDE SCREWDRIVERS FOR CROSS-SLOTTED SCREWS (PHILLIPS)

cat no	dimensions	blade length	weight g
KL110PH1IS	80 x PH1	80	52
KL110PH2IS	100 x PH2	100	80
KL110PH3IS	150 x PH3	150	145



VDE SCREWDRIVERS FOR PLUS / MINUS SCREWS

cat no	dimensions	blade length	weight g
KL130PM1IS	80 x Z1	80	52
KL130PM2IS	100 x Z2	100	80



VDE LONG REACH NUT DRIVER M-TEC

Spring loaded.

41mm long reach.

Magnetic tip for holding nut.

cat no	dimensions	for thread	weight g	quantity
KL14555IS	5.5	M3	100	12
KL14560IS	6	M3.5	100	12
KL14570IS	7	M4	100	12
KL14580IS	8	M5	110	12



KLAUKE E-SMART BOX 12-PCE

10 IEC exchangeable blade set for all applications including contactless voltage tester. Secure grip of blades in the handle by automatic locking to prevent unintentional withdrawal.

Snap-on rotating cap and soft coating zone for use as a precision tool.

Blades can be re-ordered individually.

Safety tools acc. to EN/IEC 60900 - all screwdrivers checked with 10,000V

cat no	quantity
KL300IS	1



STUBBY SCREWDRIVER FLAT BLADE

cat no	dimensions	blade length	weight g
KL I 002555	5.5 x 1.0	25	35



STUBBY SCREWDRIVER PHILLIPS

cat no	dimensions	blade length	weight g
KL I 1025PHI	PHI	25	35



EASY ROLLER

Standard cable drum roller.

Suitable for large and small cable reels.

Width of 500 mm and 200 kg or 700 mm and 250 kg loading capacity.

Low gradient ramp makes loading easier and with 30% lighter construction it is highly portable.

Adjustable roller positions for smaller drums.

Integrated side guidance on roller.

Two stands can be placed side by side to double the capacity up to 500 kg.



cat no	dimensions
52055383	605 x 570 x 90 mm
502055384	710 x 605 x 90 mm

K 507 MECHANICAL CRIMPING TOOL

For interchangeable dies.

With ratchet.

Tool pre-tensioning adjustable.

Cat no: K507



FLAT-STEEL FISH TAPE

7.6 m long, extending your reach.

Has winder case with crank handle for easy, compact storage and measures 6.4 x 0.8 mm.

Flat steel tape reaches easily above ceilings, under carpets and through walls to install wire.

Cat no: 50016962



tooling

CUTTING AND CRIMPING TOOLS

K2

Mechanical crimping tool for tubular Cu cable lugs and connectors.
Has ratchet and side insertion.
Exact cross-section assignment.

Crimping range: 0.75 - 16mm²

Length: 325mm

Weight: 0.6 kg

Cat no: K2



K 05-L / K 06-L

Mechanical crimping tool for tubular Cu cable lugs and connectors.
Has revolving dies.
Exact cross-section designation on the dies

Crimping range: 6-70mm² with K05L, 10-120mm² with K06L

Length: 390mm for K05L, 650mm for K06L

Cat no: K05L / K06L



K 105/I

Hand operated cutting tool for tubular Cu and Al cables to Ø 26mm.
Two handed operation with excellent leverage.
Tool with telescopic handles.

Cutting range: max Ø 26mm / e.g 4 x 35mm² NYY

Length: 350-520mm variable

Weight: 1.4 kg

Cat no: K105I



HSG 85/2

Hand operated cutting tool Ø 85mm, suitable for Cu/Al and lightly armoured cables.
Closed cutting head with bolt interlock, flip top style and rotatable.
Hands enables easy handling.
Light weight due to high quality aluminium housing.
2 stage hydraulic system with fast feed and power stroke.
Automatic retraction when cut is complete and manual retract override.

Cutting force: 60kN
Cutting range: max Ø 85mm
Length: approx 677mm
Weight: 5.9kg
Operating temperature range: -20°C to +40°C

Cat no: HSG852
Cat no: MK85 steel carry case



UNIVERSAL CABINET KEY, ELECTRO

Inner square 5, 6, and 7-8mm
Triangular 9mm
Double pin keys 3-5mm, including 1/4" bit retainer with radiator valve key.

cat no	dimensions	weight g
KL510	145	120



ELECTRICIANS STRIPPING TOOL

For stripping of cables from 4-28mm diameter.
Every cable knife contains a spare blade inside the handle.
Precise, fast and safe stripping of all standard round cables with no damage to inner conductor due to stepless adjustment of cutting depth.
Includes protective cover for the blade (Cat no: KL745GK)

cat no	dimensions	weight g
KL740828	8-28	70



tooling

EK35/4

One button operating concept for controlling all tooling functions.
Ergonomic design for convenient one hand operation and light weight for effortless operations.
Powerful NiMH-Battery technology.
Fast crimping cycles for efficient operations with automatic retraction when crimping is complete and manual retract in case of need.
Quick motor stop for high application safety.
Light diode for maintenance control, charge level indicator of the batteries and for data transmission via USB adapter.
Environmentally friendly hydraulic oil which is quickly biodegradable.



Crimping force: 35kN
Crimping range: 150/70mm²
Number of crimps: approx 150 for 120mm²Cu
Weight, including batteries: 1.7kg
Operating temperature range: -20°C to +40°C

Cat no: EK354
Cat no: RAM2 Battery 9.6 V / 2.0 Ah NiMH
Cat no: LG4F charger for NiCd and NiMH batteries, 230 V mains power

Plastic case also available

EK120/30-L

Electronic control and monitoring of crimping operation.
Integrated pressure measurement with visual and audible signals in case of failure.
Evaluation function using optical interface and USB adapter
One button operating concept for controlling all tooling functions.
Ergonomic 2 component plastic housing with soft linings for comfortable and safe one hand operation with balanced centre of gravity for easy handling.
LED for workplace illumination.
High performance motors for maximum operating speed and 2 stage hydraulic system with fast feed and power stroke with quick motor stop for high application safety.
Automatic retraction when crimping is complete and manual retract in case of need.
Automatic retract stop (ARS) for positioning control in case of multiple crimpings.
Light diode for maintenance control, charge level indicator of the batteries and for data transmission via USB adapter.
Environmentally friendly hydraulic oil which is quickly biodegradable.



Crimping force: 120kN
Crimping range: 400/240mm²
Stroke / opening width: 30mm
Number of crimps: approx 115 for 150mm²Cu DIN
Weight, including batteries: 6.8kg

Cat no: EK12030L
Cat no: RAL2 Battery 18 V / 3.0 Ah, Li-ion (54Wh)
Cat no: LGL1 Quick charger for 18 V Li-ion batteries
Cat no: KKI20L plastic case

KLAUKE ADJUSTABLE TORQUE HANDLE & QUICK CHANGE VDE BLADES

Adjustable ergonomic torque handle and quick change VDE blades.
Easy torque adjustment, 0.1Nm increments.
Precise release when torque setting has been reached.
Highly Accurate to ISO 6789:2003 +/- 6%

cat no	scope of supply
KLE3871513	Torque handle* (incl key) 0.6-1.5Nm
KLE3883013	Torque handle* (incl key) 1.5-3.0Nm
KLE3895413	Torque handle* (incl key) 3.0-5.4Nm
KLE3871512	Extension bar (un-insulated)
KL400S35170ISSB	VDE Blade flat 3.5 x 0.6 mm
KL400S40170ISSB	VDE Blade flat 4.0 x 0.6 mm
KL400S55170ISSB	VDE Blade flat 5.5 x 0.6 mm
KL400PH1170ISSB	VDE Blade Phillips PH1
KL400PH2170ISSB	VDE Blade Phillips PH2
KL400PZ1170ISSB	VDE Blade Pozidriv PZ1
KL400PZ2170ISSB	VDE Blade Pozidriv PZ2
KL400PM1170ISSB	VDE Blade Plus / Minus Z1
KL400PM2170ISSB	VDE Blade Plus / Minus Z2

* comes with free storage case



COMBI BIT SET

In a plastic box M3-M10.
Drill, tap and deburr in one operation.
For use with mild steel, stainless steel, non-ferrous metals and plastics.
Nominal diameter corresponds to the max material thickness.

cat no	scope of supply
50116304	Combi bit set in plastic box M3-M10
50116312	Combi bit M3
50116320	Combi bit M4
50116339	Combi bit M5
50116347	Combi bit M6
50116355	Combi bit M8
50116363	Combi bit M10
50116371	Combi bit holder



KWIK STEPPER STEP BIT SET IN METAL BOX

Less force needed with smooth and improved cutting performance.
Minimum burr.
Longer life time.

cat no	scope of supply
50069845	Kwik Stepper™ step bit with ROTASTOP® shank
50069853	Kwik Stepper™ step bit with ROTASTOP® shank 4 - 20mm
50069861	Kwik Stepper™ step bit with ROTASTOP® shank 6 - 30mm



test instruments

DM-20 DIGITAL MULTIMETER 300 V AC/DC

AC/DC Voltage measurement - current measurement in electrical circuits.
Battery test for 1.5 V and 9 V batteries.
Acoustic continuity check, diode test, resistance measurement.

Cat no: 50120379



DM-40 DIGITAL MULTIMETER 600 V AC/DC WITH TEMPERATURE MEASUREMENT

AC/DC Voltage measurement.
DC current measuring.
Battery test for 1.5 V and 9 V batteries.
Acoustic continuity check, diode test, resistance measurement.

Cat no: 50120379



DM-60 DIGITAL MULTIMETER 600 V AC/DC WITH TEMPERATURE MEASUREMENT

AC/DC Voltage and current measurement.
Frequency measurement in voltage mode.
Acoustic continuity check, diode test, resistance measurement.
Max Hold and Data Hold for recording measurement results.

Cat no: 50120409



CSJ-100 OPEN JAW METER

Measurements of AC current, DC and alternating voltage.
 For easy, quick voltage measurement and resistance measurement up to 20.
 Acoustic continuity test and diode test with automatic shut off for longer service life.
 Alarm and LED for contactless voltage detection.
 Date Hold for recording and measuring values.
 3.5 place LCD display (counter value with maximum of 199 points)

Voltage measurement: 200.0, 1000 V
 Resistance: 2.000; 2.000, 20.00, 200.0K, 2.000, 20.00M
 Current measurement: 200.0 AC
 Display: LCD (display range 2000)
 Measuring category: CATIV, 1.000 V
 Scope of supply: Battery 2 x 1.5 V AAA
 Jaw opening: 16mm

Cat no: 52020887
 Cat no: 50075888 TC-5 nylon carrying case with belt loop



TG-100 TEMPERATURE MEASURING DEVICE

For temperatures of -60°C to +550°C
 Safe, quick, non-contact temperature measurement.
 Adjustable functions for ease of use.
 Backlit display.

Cat no: 52059451



test instruments

DM-200A DIGITAL MULTIMETER

Automatic and manual range selection.
Large, backlit LCD display.
Automatic stop.
Analogue - bar chart.
Optical and acoustic warning in the event of incorrect handling.

Cat no: 52047801



GT-220 ELECTRICAL TESTER

Low impedance rules out measurement of stray voltage.
Automatic range selection ensures fast measurements.
Measurement of direct and alternating voltage
Contactless voltage check for determining current-carrying lines.
Longer battery service life due to automatic shut off.
Display of low battery charge, resistance measurement and acoustic continuity check.
Data hold function.

Cat no: 50077481



CMT-80 AUTOMATIC TESTER

Trouble-free, automatic measurement of current strength, voltage and resistance.
Compact design for measuring tight spaces.
Low impedance rules out measurement of stray voltage.
400 A AC, 600 V AC/DC measurements.
Data hold function for recording important measurement results.
Longer battery service life due to automatic shut off.

Cat no: 50077350



section 20

timers & energy management

timers & energy management

MULTI RANGE TIMERS: HEAT BOOST TIMER

The RBT2 is a high output electronic timer which provides effective control for a variety of loads.

The unit allows an appliance to be powered for a set time period which can be adjusted by the user.

A simple LED display indicates how much time is left to run, and its "Night Light" feature illuminates all LEDs when the unit is not in use to allow ease of location in the dark.

Pressing and releasing the switch whilst the unit is in operation allows the user to cancel the timing and a memory function remembers the last timing selected.

For use with: lighting control, panel heaters, student accommodation, schools,workshops, retail, hotels

Key benefits: high rating, LED indicator, user adjustable timing, night light, memory time function



cat no	description	load rating at 230 VAC				time delay approx
		res	incan	fluo	c fluo	
TS-RBT1	high output run back timer plate mounted adjustable boost timer	20A	6A	-	-	0 min - 2 hrs
TS-RBT1		16A	10A	6A	3A	15 min increments 15 min - 1 hr user adjustable
			Inductive			

timers & energy management

MULTI RANGE TIMERS: PLATE MOUNTED

All multi range timers are available with extended timing if required and special voltages are available. The standard product has a switched live output and voltage free contact outputs are available to order on some models. Where a neon indicator is not standard on the product it may be added to a special order.

Permanent neon - indicator for location purposes.

Temporary neon - shows when timer is running.

Add either PN or TN to the cat no.

For use with: lighting control, pump overrun, ventilation control, heating boost, external control (weatherproof version)

Key benefits: range of actuators, adjustable time delay, mounts on BS switch box, weatherproof option, voltage free contact versions, neon indicator version



cat no	description	load rating at 230 VAC				time delay approx
		res	incan	fluo	c fluo	
TS-MRT16-PB	push button timer	16A	10A	6A	3A	1 sec - 2 hrs
TS-MRT16-PB/TN	push button timer with temporary neon	16A	10A	6A	3A	1 sec - 2 hrs
TS-MRT16-PB/PN	push button timer with permanent neon	16A	10A	6A	3A	1 sec - 2 hrs
TS-MRT16-TA	touch activated timer	16A	10A	6A	3A	1 sec - 2 hrs
TS-MRT16-REM	remote activated timer	16A	10A	6A	3A	1 sec - 2 hrs
TS-MRT16-PC	pull cord timer	16A	10A	6A	3A	1 sec - 2 hrs
TS-MRT16-WP/TN	multi range weather proof timer with temporary neon	16A	10A	6A	3A	1 sec - 2 hrs
TS-SLVI	push button slave actuator	16A	10A	6A	3A	
TS-SLVIN	push button slave actuator with neon	16A	10A	6A	3A	



timers & energy management

TIME LAG SWITCHES: TS40 SERIES

The TS40 series offers a variety of options for either installation or replacement of existing single gang switches for use on incandescent, fluorescent or compact fluorescent lighting applications.

Pushing the button switches the contacts, and activates the time delay.

The units are for use on flush mounted applications.

They can be made splash proof by the fitting of a rubber shroud and gasket kit.

When fitted, the switch can be suitable for damp areas.

No neutral required.



code	description	load rating at 240 VAC			time delay approx
		incan	fluo	c fluo	
TS40	push button timer	6A	3A	3A	10 sec - 10 min
TS41	push button timer c/w mounting box	6A	3A	3A	10 sec - 10 min
TS42	push button timer for intermediate	6A	3A	3A	10 sec - 10 min
TS43	push button timer c/w neon indicator	6A	3A	3A	10 sec - 10 min
TS163	splash proof shroud and gasket kit				

TIME LAG SWITCHES: TS-ELLIPSE

Direct replacement for an existing light switch, making it a quick and inexpensive unit to install.

The large push button makes it an ideal replacement for mechanical or pneumatic time lag switches.

For use in: stairwells, store cupboards, corridors, meeting rooms, and entrance lobbies

Key benefits: no neutral connection, multi way switching, high rating, tamperproof, weatherproof option, 20 minute time delay



cat no	description	load rating at 230 VAC			time delay approx
		incan	fluo	c fluo	
TS-ELLIPSE	push button time lag switch	10A	10A	10A	10 sec - 20 min
TS-ELLIPSE-TN	push button time lag switch c/w neon	10A	10A	10A	10 sec - 20 min

timers & energy management

TIME LAG SWITCHES: TS-ACEL TIMERS

A range of two wire electronic time lag switches with a unique european style flat plated switch, these timers are suitable for replacing existing light switches.

No neutral required.

Slave switch C/W LED requires slave switch.

A power factor correction capacitor is required when used in conjunction with both fluo and compact fluo light fittings.

For use in: stairwells, corridors, meeting rooms, for both domestic and commercial use



code	description	load rating at 240 VAC				time delay approx
		res	incan	fluo	c fluo	
TS-ACEL600	master LED time lag switch	16A	16A	16A	16A	5 sec - 20 min
TS-ACEL605	slave for 600 switch	16A	16A	16A	16A	
TS-ACEL700	master LED multi time switch	16A	16A	16A	16A	5 sec - 2 hrs
TS-ACEL900	white weatherproof timer	16	16	16	16	5 sec - 2 hrs
TS-ACEL910	grey weatherproof timer	16	16	16	16	5 sec - 2 hrs
TS-ACEL208	PFCC power factor corrector capacitor					

TIME LAG SWITCHES: TS-KH RANGE

Replaces existing light switches; there are a wide range of switch types available to suit a variety of applications, including a push button, touch and a weatherproof version.



cat no	description	load rating at 230 VAC			time delay approx
		incan	fluo	c fluo	
TS-KH1	push button time lag switch	10A	10A	10A	10 sec - 20 min
TS-SLVI	slave activator for KH1	10A	10A	10A	10 sec - 20 min
KH1N	push button time lag switch c/w neon	10A	10A	10A	10 sec - 20 min
TS-SLVIN	neon slave activator fir KH1N	10A	10A	10A	10 sec - 20 min
TS-KH2	touch activated time lag switch	10A	10A	10A	10 sec - 20 min
TS-KH2N	touch activated time lag switch c/w neon	10A	10A	10A	10 sec - 20 min
TS-KH3	waterproof time lag switch	10A	10A	10A	10 sec - 20 min
TS-KH3N	waterproof time lag switch c/w neon	10A	10A	10A	10 sec - 20 min

timers & energy management

PIR SWITCHES: TS-PDS

A low cost, fast fit presence detector with a built in light level sensor which can be set to keep lights off if there is sufficient natural light.

It does not require a neutral connection so it can quickly replace an existing light switch.

An optional override facility is also available on request.

For use in: offices, toilets, meeting rooms, factories, workshops, retail, residential, schools, hotels, student accommodation and homes

Key features: PIR detection, relay output, integral time delay, mounts on BS switch box, integral photocell option, ceiling mount option, no neutral version, voltage free contact option

Key benefits: low cost, no neutral connection, shallow design, integral light sensor, adj. 1 hour timing, with or without override, multi-way switching, relay output, detection pattern



cat no	description	load rating at 230 VAC			time delay approx
		incan	fluo	c fluo	
TS-PDS	no neutral presence detector	10A	5A	3A	5 min - 1 hr
TS-PDS	no neutral presence detector c/w override	10A	5A	3A	5 min - 1 hr

PIR SWITCHES: TS-SPIR

The SPIR range of passive infrared switches are mounted on a single gang white switch plate with a rugged domed lens housing the detector, which gives up to a 9m coverage.

They are easy to install onto a standard flush or surface mounting British Standard switch box.

Significant energy saving can be achieved when used to control lighting, electric heating and ventilation.

Key features: with or without integral light sensor, voltage free contact option for use with BMS and control applications, special voltages available, requires a neutral connection



cat no	description	load rating at 230 VAC				time delay approx
		res	incan	fluo	c fluo	
TS-SPIR-F	wall mounted PIR switch	16A	10A	6A	3A	10 sec - 1 hr
TS-SPIR-LSF	wall mounted PIR switch c/w light level sensor	16A	10A	6A	3A	10 sec - 1 hr

timers & energy management

CEILING MOUNTED PIR SWITCHES: TS-EBDSPIR

This compact presence detector provides automatic control for lighting, heating and ventilation loads.

The detector can be mounted either flush into a ceiling tile or on the surface using a fast fix detector box.

The optional infrared version allows the user to override the lights to on or off.

For use in: offices, schools, hotels, retail, homes, student accommodation, toilets

Key features: PIR detection, integral light level sensor, integral time delay, easy fixing and adjustment, user override (optional), relay output, 5-7 metre detection range at 2.5-3m ceiling height

Key benefits: low profile design, self contained unit, reduced head size, plug in connections, remote handset (option)



cat no	description	load rating at 230 VAC				time delay approx
		res	incan	fluo	c fluo	
TS-EBDSPIR	ceiling mounted presence detector with time and lux level adjustment	10A	8A	6A	3A	10 sec - 30 min

CEILING MOUNTED PIR SWITCHES: TS-SPIR-F/C

The SPIR-F/C ceiling mounted presence detector can be easily mounted onto a British Standard switch box either surface or flush mounting.

The detector has a built in photocell which will keep the lighting switched off if there is sufficient natural light.

The SPIR-F/C can be used to control lighting, heating and ventilation loads.

For use in: student accommodation, schools, offices, hotels, domestic, retail, industrial

Key benefits: easy to install, simple to operate, low capital cost, adjustable



cat no	description	load rating at 230 VAC				time delay approx
		res	incan	fluo	c fluo	
TS-SPIR-F/C	ceiling mounted presence detector for square accessory box	10A	8A	6A	3A	10 sec - 30 min

timers & energy management

HEATING AND VENTILATION CONTROLS: TS-ENERSTAT-T

This electronic thermostat accurately controls room heating to optimise energy consumption whilst maintaining comfortable temperatures. The powerful output relay directly switches heavy loads such as electric panel heater. It can be set with two temperature levels - the lower (or setback) level is the background temperature that is maintained to keep an acceptable level of warmth, the higher (comfort or boost) level provides a comfortable temperature level when the room is occupied. Reverse operation for air conditioning applications. Custom temperature ranges available to order.



cat no	description	load rating at 230 VAC		time setting
		resistive	inductive	
TS-ENERSTAT-T	Touch operated thermostat heating Setback - 5°C to 20°C Boost - 10°C to 30°C	16A	6A	30 sec - 4 hr

HEATING AND VENTILATION CONTROLS: TS-ENERSTAT-PIR

With the same functions as the ENERSTAT-T, the ENERSTAT-PIR can be set with two temperature levels. Switching between the setback and boost temperature is achieved when an occupant is detected in the room, then at a predetermined time after detection has ceased, the heater returns to maintaining the setback temperature. Reverse operation for air conditioning applications. Custom temperature ranges available to order.



cat no	description	load rating at 230 VAC		time setting
		resistive	inductive	
TS-ENERSTAT-PIR	PIR activated thermostat heating Setback - 5°C to 20°C Boost - 15°C to 35°C	16A	6A	30 sec - 4 hr

timers & energy management

MICROWAVE PRESENCE DETECTORS: TS-MWS-I

Microwave presence detectors provide automatic control of lighting, heating and ventilation and with detection ranges up to 30 metres, microwave detectors are ideal for controlling appliances over large areas.

There are no external lenses making them unobtrusive and vandal resistant.

A major benefit with the microwave sensors in this range is that no external control boxes are required, making the units easy to install and cost effective.

The MWS-I wall mounting microwave sensor is ideal for controlling lighting, heating and ventilation over large areas, especially corridors.

The unit mounts directly on to a British standard switch box.

The unit has an integral sensitivity and time adjustment.

IP rated option available.



For use: in corridors, schools, offices, industrial warehouses, toilets, stairwells, universities, retail

cat no	description	load rating at 230 VAC				time delay approx
		res	incan	fluo	c fluo	
TS-MWS-I	microwave presence detector with 30m detection range	10A	10A	10A	10A	15 sec - 30 min

MICROWAVE PRESENCE DETECTORS: TS-MWS-3

Unlike fixed head sensors, the MWS-3 Multi-Sense offers a unique presence detection capability by using an adjustable sensor head.

By changing the angle of the sensor head different detection patterns can be achieved for different area coverage.

An integral sensitivity adjustment allows the sensor to be fine tuned to the environment.

Added features include built in infrared and adjustable light level sensors.

The detector can be mounted either flush into a ceiling tile or on the surface using the integral fixing plate.



For use in: corridors, schools, offices, industrial warehouses, toilets, stairwells, universities, retail

cat no	description	load rating at 230 VAC				time delay approx
		res	incan	fluo	c fluo	
TS-MWS-3	multi-sense microwave presence detector	10A	10A	10A	10A	15 sec - 30 min

notes

section 2 | tool hire & repair

tool hire & repair

Cable Glands UK supplies a wide range of cable cutting and preparation tools for use in all types of electrical installation.

The range includes cable preparation tools, hydraulic and ratchet cable cutting tools, cable crimping and die sets, plus a range of other tools such as cable drum jacks, pulling stockings and conduit benders.

We have competitive rates for daily, weekly or extended hire.

Please contact us for further details.

Terms & Conditions

Definitions

Buyer	The person who buys or agrees to buy the goods from the seller.
Conditions	The terms and conditions of the sale as set out in this document and any special terms and conditions agreed in writing by the seller.
Goods	The articles which the buyer agrees to buy from the seller.
Price	The price for the goods, excluding VAT and any carriage, packaging and any insurance costs.
Seller	Means Cable Glands UK Limited/Timeswitch Uk Limited, of Unit 17, Premier Park, Acheson Way, Trafford Park Road, Trafford Park, Manchester, M17 1GA.

Conditions

2.1	These conditions shall form the basis of the contract between the seller and the buyer in relation to the sale of goods, to the exclusion of all other terms and conditions including the buyers standard conditions of purchase or any other conditions which the buyer may purport to apply under any purchase order or confirmation of order or any other document.
2.2	All orders for goods shall be deemed to be an offer by the buyer to purchase goods from the seller pursuant to these conditions.
2.3	Acceptance of delivery of the goods shall be deemed to be conclusive evidence of the buyers acceptance of these conditions.
2.4	These conditions may not be varied except by the written agreement of Andrew Leach the seller.
2.5	These conditions represent the whole of the agreement between the seller and the buyer. They supersede any other condition previously issued.

Price	Price is the current trade price less any discount that has been agreed by the seller. The price is exclusive of VAT which shall be due at the rate in force on the date of the sellers invoice.
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Payment And Interest

4.1	Payment of the price and VAT shall be due within 30 days from month end.
4.2	Interest on overdue invoices shall occur from the date when payment becomes due calculated on a daily basis until the date of payment at the rate of {8%} per annum over the Bank of England base rate from time to time in force. Such interest shall occur after as well as before any judgement.
4.3	The buyer shall pay all accounts in full and not exercise any rights of set - off or counter - claim against invoices submitted by the seller.
4.4	The seller shall pass any unpaid invoices over 30 days old to a 3rd party collection agency. This may result in court action being taken against the buyer if payment is not subsequently made. The buyer will be liable for legal costs debt collection fees and 2.5% administration charges. This is in addition to interest accrued in section 4.2.

Goods	The quantity and description of the goods shall be as set out in the sellers confirmation of order.
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Warranties	The seller warrants that the goods will at the time of delivery correspond to the description given by the seller in the confirmation of order. {Except where the buyer is dealing as a consumer (as defined in section 12 of the unfair contract terms act 1977), all other warranties, conditions of terms relating to fitness for purpose, quality or condition of the goods are excluded}.
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Delivery Of The Goods

7.1	Delivery of the goods shall be made to the buyer's address. The buyer shall make all arrangements necessary to take delivery of the goods on the day notified by the seller for delivery.
7.2	The seller undertakes to use its reasonable endeavours to dispatch the goods on an agreed delivery date, but does not guarantee to do so. Time of delivery shall not be of the essence of the contract.
7.3	The seller shall not be liable to the buyer for any loss or damage whether arising directly or indirectly from the late delivery or short delivery of the goods. If short delivery does take place, the buyer undertakes not to reject the goods but to accept the goods delivered as part performance of the contract.
7.4	If the buyer fails to take delivery of the goods on the agreed delivery date or, if no specific delivery date has been agreed, when the goods are ready for despatch, the seller shall be entitled to store and insure the goods and to charge the buyer the reasonable costs of so doing.

Acceptance Of The Goods

8.1	The buyer shall be deemed to have accepted goods 48 hours after delivery to the buyer.
8.2	The buyer shall carry out a thorough inspection of the goods within 48 hours of the delivery and shall give written notification to the seller within 5 working days of delivery of any defects which a reasonable examination would have revealed.
8.3	Where the buyer has accepted, or has been deemed to have accepted, the goods the buyer shall not be entitled to reject goods which are not in accordance with a contract.

Title And Risk

9.1	Risk shall pass on delivery of the goods to the buyers address.				
9.2	Notwithstanding the earlier passing of risk, title in the goods shall remain with the seller and shall not pass to the buyer until the amount due under the invoice for them (including interest and costs) has been paid in full.				
9.3	Until title passes the buyer shall hold the goods as bailee for the seller and shall store or mark them so that they can at all times be identified as the property of the seller.				
9.4	The seller may at any time before title passes and without any liability to the buyer: <table><tr><td>9.4.1</td><td>Repossess and dismantle and use or sell all or any of the goods and by doing so terminate the buyers right to use, sell or otherwise deal in them; and</td></tr><tr><td>9.4.2</td><td>for the purpose (or determining what if any goods are held by the buyer and inspecting them) enter any premises of or occupied by the buyer.</td></tr></table>	9.4.1	Repossess and dismantle and use or sell all or any of the goods and by doing so terminate the buyers right to use, sell or otherwise deal in them; and	9.4.2	for the purpose (or determining what if any goods are held by the buyer and inspecting them) enter any premises of or occupied by the buyer.
9.4.1	Repossess and dismantle and use or sell all or any of the goods and by doing so terminate the buyers right to use, sell or otherwise deal in them; and				
9.4.2	for the purpose (or determining what if any goods are held by the buyer and inspecting them) enter any premises of or occupied by the buyer.				
9.5	The seller may maintain an action for the price of any goods notwithstanding that title in them as not passed to the buyer.				

Carriage Of Goods

Carriage will be chargeable on all sales under £100 nett. Carriage will normally be arranged by a national distribution company but items may be sent via Royal Mail at the buyers request. However the seller does not except any responsibility for delivery via this method.

Stock Cleanse

11.1	Goods will only be accepted if they are in a resellable condition and a compensating order to a value of twice the returned goods is placed.
11.2	Goods returned for stock cleanse will only be accepted if the sellers agents has inspected the goods and authorised the return of goods.
11.3	The seller reserves the right to charge a handling fee of 30% on goods returned in circumstances other than a stock cleanse, where the return is not due to fault or damage of goods.



For all your electrical requirements:

- industrial & hazardous area ATEX cable glands
- mineral glands
- cable gland accessories
- industrial & hazardous area ATEX adaptors & reducers
- cable lugs & pre-insulated terminals
- cable cleats & fixings
- cable jointing kits & accessories
- cable ties & fixings
- cable sleeving
- heatshrink
- flexible conduit & accessories
- earthing & lightning protection
- electrical & mechanical fixing systems
- junction boxes
- industrial plugs, sockets & externally mounted switches
- tooling
- timers & energy management
- tool hire & repair

Cable Glands Uk Limited

Unit 17
Premier Park
Acheson Way
Trafford Park
Manchester
M17 1GA
0845 054 0460
info@cableglandsuk.com
www.cableglandsuk.com

