

CXe

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CXe Internationally Approved, Ex e, Explosive Atmosphere Cable Gland

For Braided & Steel Tape Armoured Cables

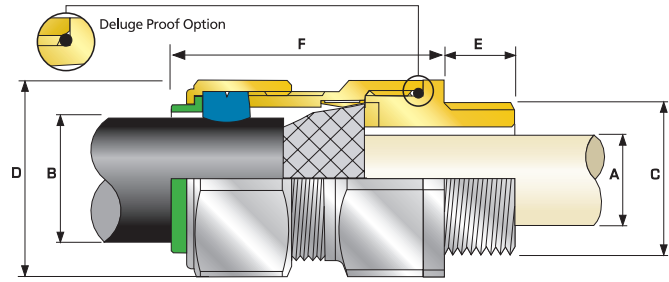
- Metal-to-metal armour clamping
- Direct & remote installation
- Permanently crimped, low impedance earth termination
- Secure against self-loosening
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +130°C
- Internationally marked, IECEx & ATEX
- Superior EMC performance



Deluge Proof version available, ferrule colour coded white for ease of identification, please add "D" after the product type.

† Grooved Cone (X) is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armour (STA, DSTA) and Aluminium Strip Armour (ASA) but is also suitable for Single Wire Armour (SWA), Aluminium Wire Armour (AWA) and Pliable Wire Armour (PWA) if the range is outside that of the Stepped Cone (W).

Grooved Cone (X) dimensions shown in the Cable Gland Selection Table below are for a double wire strand of braid armour cables. Tapes can also be doubled over. For cables that have only a single layer of armour such as SWA the clamping range should be used as shown in the table below.



TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B (Category A when used with braid, tape or pliable wire armour cables)
ATEX Certificate	SIRA13ATEX1070X
Code of Protection	⊕ II 2G, II 1D, Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	EN 60079-0,7,31
IECEx Certificate	IECEx SIR 13.0025X
Code of Protection	Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 60079-0,7,31
EAC Certificate	TC RU C-GB.AA87.B.00487
UkrSEPRO	UA.TR.047.C.0644-15
NEPSI Certificate	GYJ13.1140X
INMETRO Approval	TÜV 12.0617X
CCOE / PESO (India) Certificate	P333688
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: TAE000000Y ABS: 16-LD1478091-PDA, BV: 43180/A1
Ingress Protection Rating**	IP66 as standard (IP67, IP68*** available upon request)
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Wire Braid Armour (e.g. SWB), Screened Flexible (EMC) Wire Braid (e.g. CY / SY), Pliable Wire Armour (PWA), Steel Tape Armour (STA), Strip Armour (e.g. ASA)
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	Cable Outer Sheath

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444

** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.

*** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

Cable Gland Selection Table

Refer to illustration at the top of the page.

Cable Gland Size	Available Entry Threads "C"		Cable Bedding Diameter "A"	Overall Cable Diameter "B"		Armour Range † Grooved Cone (X)		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)
	Metric	Thread Length (Metric) "E"	Max	Min	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20S16	M20	15.0	8.7	6.1	13.1	0.3	1.0	24.0	26.4	48.0	20S16	CXE	1RA	PVC04	0.10
20S	M20	15.0	11.7	9.5	15.9	0.3	1.0	24.0	26.4	48.0	20S	CXE	1RA	PVC04	0.10
20	M20	15.0	14.0	12.5	20.9	0.4	1.0	30.5	33.6	48.0	20	CXE	1RA	PVC06	0.15
25S	M25	15.0	20.0	14.0	22.0	0.4	1.2	37.5	41.3	56.0	25S	CXE	1RA	PVC09	0.22
25	M25	15.0	20.0	18.2	26.2	0.4	1.2	37.5	41.3	56.0	25	CXE	1RA	PVC09	0.22
32	M32	15.0	26.0	23.7	33.9	0.4	1.2	46.0	50.6	54.0	32	CXE	1RA	PVC11	0.31
40	M40	15.0	32.2	27.9	40.4	0.4	1.6	55.0	60.5	58.0	40	CXE	1RA	PVC15	0.45
50S	M50	15.0	38.2	35.2	46.7	0.4	1.6	60.0	66.0	61.0	50S	CXE	1RA	PVC18	0.57
50	M50	15.0	44.1	40.4	53.0	0.6	1.6	70.1	77.1	60.0	50	CXE	1RA	PVC21	0.75
63S	M63	15.0	50.0	45.6	59.4	0.6	1.6	75.0	82.5	74.0	63S	CXE	1RA	PVC23	1.04
63	M63	15.0	56.0	54.6	65.8	0.6	1.6	80.0	88.0	71.0	63	CXE	1RA	PVC25	1.02
75S	M75	15.0	62.0	59.0	72.0	0.6	1.6	90.0	99.0	86.0	75S	CXE	1RA	PVC28	1.79
75	M75	15.0	64.2	66.7	78.4	0.6	1.6	100.0	110.0	82.0	75	CXE	1RA	PVC30	2.09
90	M90	24.0	78.6	76.2	90.3	0.8	1.6	114.3	125.7	95.0	90	CXE	1RA	PVC32	3.04
100	M100	24.0	91.0	86.1	101.4	0.8	1.6	123.0	135.3	95.0	100	CXE	1RA	LSF33	3.13
115	M115	24.0	98.0	101.5	110.2	0.8	1.6	133.4	146.7	107.5	115	CXE	1RA	LSF34	4.48
130	M130	24.0	115.0	110.2	123.2	0.8	1.6	152.4	167.6	110.0	130	CXE	1RA	LSF35	5.77

*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass 'S'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1' For NPT options add the following digits to the material suffix; 1/8" = 31; 1/4" = 32; 1" = 33; 1 1/4" = 34; 1 1/2" = 35; 2" = 36; 2 1/2" = 37; 3" = 38; 3 1/2" = 39; 4" = 310 (Brass requires prefix '0')

Examples: 32CXE1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SCXE1RA035 = Brass 1 1/2" NPT, 25CXE1RA432 = Stainless Steel 3/4" NPT, 20CXE1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated