



**CX**

**CX Single Seal Industrial Cable Gland**

**For Braid, Pliable Wire & Steel Tape Armoured Cables**

- High quality durable materials
- Robust, heavy duty design
- Metal-to-metal armour clamping
- Direct & remote installation
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +130°C (standard), -20°C to 200°C (Thermin option page 91)
- Deluge protection option
- EMC tested



† 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).

Note: 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**

<b>Design Specification</b>	BS 6121:Part 1:1989, IEC 62444, EN 62444
<b>Mechanical Classifications*</b>	Impact = Level 8, Retention = Class D
<b>Enclosure Protection</b>	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
<b>Electrical Classifications*</b>	Category A
<b>GOST R Certificate</b>	POCC GB.ГБ 05.H00187
<b>GOST K Certificate</b>	KZ 7500361.01.01.25266
<b>RoK Permit For Use</b>	19-02-UL-1957
<b>Marine Approvals</b>	LRS: 01/00171 (E1), ABS: 01-LD234401/2-PDA
<b>Ingress Protection Rating</b>	IP66 as standard (IP67, IP68 available upon request)**
<b>Cable Gland Material</b>	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium
<b>Seal Material</b>	CMP Thermoset Rubber
<b>Cable Type</b>	Wire Braid Armour, Screened Flexible (EMC) Wire Braid (e.g. CY / SY), Pliable Wire Armour (PWA), Steel Tape Armour (STA)
<b>Armour Clamping</b>	Detachable Armour Cone & AnyWay Universal Clamping Ring
<b>Sealing Technique</b>	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
<b>Sealing Area(s)</b>	Cable Outer Sheath
<b>Cable Gland Kits Available</b>	Cable Gland kit for use with all types of cable includes 2 Brass Cable Glands, 2 Steel Locknuts, 2 Brass Earth Tags and 2 PVC Shrouds for sizes up to and including 32mm. For sizes 40mm and above each kit includes 1 of each component.

Note : \* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444  
 Note : \*\* Refer to page 7 or www.cmp-products.com for further information on Ingress Protection Ratings

**Cable Gland Selection Table**

Refer to illustration at the top of the page

Cable Gland Size	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)		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				Size	Type	Ordering Suffix		
20s16	M20	10.0	8.7	6.1	13.1	0.3	1.0	24.0	26.4	48.0	20S16	CX	1RA	PVC04	0.100	
20S	M20	10.0	11.7	9.5	15.9	0.3	1.0	24.0	26.4	48.0	20S	CX	1RA	PVC04	0.100	
20	M20	10.0	14.0	12.5	20.9	0.4	1.0	30.5	33.6	48.0	20	CX	1RA	PVC06	0.147	
25S	M25	10.0	20.0	14.0	22.0	0.4	1.2	37.5	41.3	56.0	25S	CX	1RA	PVC09	0.224	
25	M25	10.0	20.0	18.2	26.2	0.4	1.2	37.5	41.3	56.0	25	CX	1RA	PVC09	0.221	
32	M32	10.0	26.3	23.7	33.9	0.4	1.2	46.0	50.6	54.0	32	CX	1RA	PVC11	0.306	
40	M40	15.0	32.2	27.9	40.4	0.4	1.6	55.0	60.5	58.0	40	CX	1RA	PVC15	0.448	
50S	M50	15.0	38.2	35.2	46.7	0.4	1.6	60.0	66.0	61.0	50S	CX	1RA	PVC18	0.567	
50	M50	15.0	44.1	40.4	53.0	0.6	1.6	70.1	77.1	60.0	50	CX	1RA	PVC21	0.751	
63S	M63	15.0	50.0	45.6	59.4	0.6	1.6	75.0	82.5	74.0	63S	CX	1RA	PVC23	1.036	
63	M63	15.0	56.0	54.6	65.8	0.6	1.6	80.0	88.0	71.0	63	CX	1RA	PVC25	1.016	
75S	M75	15.0	62.0	59.0	72.0	0.6	1.6	90.0	99.0	86.0	75S	CX	1RA	PVC28	1.787	
75	M75	15.0	68.0	66.7	78.4	0.6	1.6	100.0	110.0	82.0	75	CX	1RA	PVC30	2.091	
90	M90	24.0	80.0	76.2	90.3	0.8	1.6	114.3	125.7	95.0	90	CX	1RA	PVC32	3.044	
100	M100	24.0	91.0	86.1	101.4	0.8	1.6	123.0	135.3	95.0	100	CX	1RA	LSF33	3.132	
115	M115	24.0	98.0	101.5	110.2	0.8	1.6	133.4	146.7	107.5	115	CX	1RA	LSF34	4.476	
130	M130	24.0	115.0	110.2	123.2	0.8	1.6	152.4	167.6	110.0	130	CX	1RA	LSF35	5.761	

\*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'

Examples: 20CX1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated