



C2KX

Ex e Ex ta

C2KX Globally Approved, Hazardous (Classified) Location Cable Gland

For all types of Braid Armoured cables

- Metal-to-metal armour clamping
- Direct & remote installation
- Integral protected deluge seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- Integral protected deluge seal
- -76°F to 266°F (standard), -4°F to 392°F (ThermEx option page 91)
- Class I Zone 1, 21 and Zone 2, 22 Class I Division 2 ABCD
- Globally marked, UL, cCSAus, IECEx & ATEX
- EMC tested
- VAR design available for VFD/VSD cables
- As standard in nickel plated brass with NPT thread form



CMP SOLO LSF Halogen Free Shrouds also available on request.

TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = 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
cCSAus Certificate (20s16 - 90)	2367109
CSAus Code of Protection	Class I, Zone 1, AEx e II, AEx nR II
cCSA Code of Protection	Ex e II, Ex nR II
Compliance Standards	CAN/CSA-C22.2 No 0,18,3,94,1,94,2, CAN/CSA-E60079-0,7, ANSI/UL 514B, 5th Ed, ANSI/UL 50, ANSI/UL 50E, ANSI/UL 2225, 4th Ed, CAN/CSA C22.2 No. 60529-05, ANSI/UL 60079-0, 5th Ed, ANSI/UL 60079-7, 4th Ed, IEC 60529 Ed. 2.1
UL Certificate (20s16 - 90)	E 200163, E256367
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.F505.B00138
UkrSEPRO	UA.TR.047.C.0644-15
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1140X
INMETRO Approval	TÜV 12-0617X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 16-LD1478091-PDA, BV: 43180/A1
Ingress Protection Rating	IP66, IP67 & IP68**
Deluge Protection Compliance	DT501 : 91
NEMA Rating	NEMA 4X**
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminium, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Braid Armoured Shipboard cable and all IEC Braid Cables
Armour Clamping	Detachable Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	Cable Outer Jacket

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

** 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.

Dimensions listed below are for NPT cable glands only
Dimensions for alternative threads may vary, please see supplementary technical data sheet

Cable Gland Size	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)			Minimum Thread Length "E"		Cable Bedding Diameter "A"	Overall Cable Diameter "B"		Armour Range † Grooved Cone (X)		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	Standard	Option												Size	Type	Ordering Suffix		
	NPT	NPT	Metric	NPT	Metric	Max	Min	Max	Min	Max	Max	Max	Size	Type	Ordering Suffix			
20s16	1/2"	3/4"	M20	0.78	0.59	0.343	0.240	0.516	0.012	0.040	1.201	1.321	2.559	20S16	C2KX	1RA531	PVC04	8.187
20S	1/2"	3/4"	M20	0.78	0.59	0.461	0.374	0.626	0.012	0.040	1.201	1.321	2.441	20S	C2KX	1RA531	PVC04	7.960
20	1/2"	3/4"	M20	0.78	0.59	0.551	0.492	0.823	0.016	0.040	1.201	1.321	2.480	20	C2KX	1RA531	PVC06	7.860
25S	3/4"	1"	M25	0.80	0.59	0.787	0.551	0.866	0.016	0.048	1.476	1.624	2.736	25S	C2KX	1RA532	PVC09	12.240
25	3/4"	1"	M25	0.80	0.59	0.787	0.717	1.031	0.016	0.048	1.476	1.624	2.736	25	C2KX	1RA532	PVC09	12.240
32	1"	1 1/4"	M32	0.98	0.59	1.024	0.933	1.335	0.016	0.048	1.811	1.992	2.953	32	C2KX	1RA533	PVC11	19.471
40	1 1/4"	1 1/2"	M40	1.01	0.59	1.268	1.098	1.591	0.016	0.062	2.165	2.382	2.953	40	C2KX	1RA534	PVC15	26.455
50S	1 1/2"	2"	M50	1.03	0.59	1.504	1.386	1.839	0.016	0.062	2.362	2.598	3.031	50S	C2KX	1RA535	PVC18	30.265
50	2"	2 1/2"	M50	1.06	0.59	1.736	1.591	2.087	0.024	0.062	2.760	3.036	3.031	50	C2KX	1RA536	PVC21	40.001
63S	2"	2 1/2"	M63	1.06	0.59	1.969	1.795	2.339	0.024	0.062	2.953	3.248	3.150	63S	C2KX	1RA536	PVC23	46.773
63	2 1/2"	3"	M63	1.57	0.59	2.205	2.150	2.591	0.024	0.062	3.150	3.465	3.150	63	C2KX	1RA537	PVC25	47.373
75S	2 1/2"	3"	M75	1.57	0.59	2.441	2.323	2.835	0.024	0.062	3.543	3.898	3.426	75S	C2KX	1RA537	PVC28	71.394
75	3"	3 1/2"	M75	1.63	0.59	2.528	2.626	3.087	0.024	0.062	3.937	4.331	3.465	75	C2KX	1RA538	PVC30	87.409
90	3 1/2"	4"	M90	1.69	0.94	3.094	3.000	3.555	0.032	0.062	4.528	4.980	4.016	90	C2KX	1RA539	PVC32	124.270
100	3 1/2"	4"	M100	1.69	0.94	3.583	3.390	3.992	0.032	0.062	4.843	5.500	4.488	100	C2KX	1RA5310	LSF33	101.131

* Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminium "1" For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 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: 32C2KX1RA5 = Nickel Plated Brass 32mm, 32C2KX1RA1 = Copper Free Aluminium 32mm

Dimensions are displayed in inches unless otherwise stated