



A2e

Ex e Ex nR Ex ta

A2e Internationally Approved, Ex e, Explosive Atmosphere Cable Gland

For all types of Unarmoured & Braid Armour Cables

- 10mm thread length on sizes 32 and below
- Displacement type flameproof seal
- Deluge protected
- -60°C to +130°C
- Internationally marked, IECEx & ATEX



Note: please contact CMP when choosing accessories for sizes 90 and above due to sizing restrictions

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA13ATEX1068X, SIRA13ATEX4074X
Code of Protection	⊕ II 2G Ex e IIC Gb, II 1D Ex ta IIIC Da ⊕ II 3G Ex nR IIC Gc
Compliance Standards	EN 60079-0,7,31
IECEx Certificate	IECEx SIR 13.0023X, IECEx SIM 14.0006
Code of Protection	Ex e IIC Gb, Ex ta IIIC Da, Ex nR IIC Gc
Compliance Standards	IEC 60079-0,7,31
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.T605.B00138
KCC Certificate	13_GA4BO_0749X; 13_GA4BO_0750X; 14_GA4BO_0251X
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
CCOE / PESO (India) Certificate	P333688
Marine Approvals	DNV: E-13848, ABS: 01-LD234401B/2-PDA, LRS: 01/00172 (E3)
Ingress Protection Rating	IP66, IP67 & IP68**
Deluge Protection Compliance	DTS01 : 91
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type	Unarmoured & Braided when terminated inside enclosure
Sealing Technique	CMP Unique Displacement Seal Concept
Sealing Area(s)	Cable Outer Sheath

* 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.

Cable Gland Size	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)					Overall Cable Diameter "A"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)
	Standard			Option							Size	Type	Ordering Suffix		
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"	NPT	Min	Max	Max	Max						
16	M16	10.0	-	-	-	3.2	8.7	24.0	26.4	28.6	16	A2E	1RA	PVC02	0.060
20s16	M20	10.0	1/2"	19.9	3/4"	3.2	8.7	24.0	26.4	26.3	20S16	A2E	1RA	PVC04	0.070
20S	M20	10.0	1/2"	19.9	3/4"	6.1	11.7	24.0	26.4	26.0	20S	A2E	1RA	PVC04	0.060
20	M20	10.0	1/2"	19.9	3/4"	6.5	14.0	27.0	29.7	27.7	20	A2E	1RA	PVC05	0.070
25	M25	10.0	3/4"	20.2	1"	11.1	20.0	36.0	39.6	36.3	25	A2E	1RA	PVC09	0.130
32	M32	10.0	1"	25.0	1 1/4"	17.0	26.3	41.0	45.1	35.1	32	A2E	1RA	PVC10	0.150
40	M40	15.0	1 1/4"	25.6	1 1/2"	23.5	32.2	50.0	55.0	35.1	40	A2E	1RA	PVC13	0.200
50S	M50	15.0	1 1/2"	26.1	2"	31.0	38.2	55.0	60.5	33.0	50S	A2E	1RA	PVC15	0.260
50	M50	15.0	2"	26.9	2 1/2"	35.6	44.0	60.0	66.0	37.3	50	A2E	1RA	PVC18	0.270
63S	M63	15.0	2"	26.9	2 1/2"	41.5	49.9	70.5	77.6	33.5	63S	A2E	1RA	PVC21	0.430
63	M63	15.0	2 1/2"	39.9	3"	47.2	55.9	75.0	82.5	36.2	63	A2E	1RA	PVC23	0.400
75S	M75	15.0	2 1/2"	39.9	3"	54.0	61.9	84.0	92.4	34.1	75S	A2E	1RA	PVC24	0.520
75	M75	15.0	3"	41.5	3 1/2"	61.1	67.9	84.0	92.4	40.9	75	A2E	1RA	PVC26	0.500
90	M90	24.0	3 1/2"	42.8	4"	66.6	79.9	108.0	118.8	60.3	90	A2E	1RA	PVC31	1.600
100	M100	24.0	3 1/2"	42.8	4"	76.0	91.0	123.0	135.3	57.2	100	A2E	1RA	LSF33	1.780
115	M115	24.0	4"	44.0	5"	86.0	97.9	133.4	146.7	67.3	115	A2E	1RA	LSF34	2.670
130	M130	24.0	5"	46.8	-	97.0	114.9	152.4	167.6	74.7	130	A2E	1RA	LSF35	3.800

*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; 1/2" = 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: 32A2E1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SA2E1RA035 = Brass 1-1/2" NPT, 25A2E1RA432 = Stainless Steel 3/4" NPT, 20A2E1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated