



**RA2e100**

Ex e Ex nR Ex ta

**RA2e100 Internationally Approved, Ex e, Explosive Atmosphere Cable Gland**

**For all types of Unarmoured & Braided Cables**

- Supplied with face seal
- Complies 100% with IEC 60079-0 cable retention requirements
- No external cable clamping required
- No special conditions for safe use
- Displacement type seal
- Deluge protected
- -60°C to +130°C
- Internationally marked, IECEx & ATEX
- 10mm thread lengths available upon request (sizes 32 and below)



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	SIRA16ATEX3165, SIRA16ATEX4020
Code of Protection	⊕ II 2G Ex eb IIC Gb, II 1D Ex ta IIIC Da ⊕ II 3G Ex nRc IIC Gc, ⊕ I M2 Ex eb I Mb
Compliance Standards	EN 60079-0,7,15,31
IECEx Certificate	IECEx SIR 16.0053
Code of Protection	Ex eb IIC Gb, Ex ta IIIC Da, Ex nRc IIC Gc, Ex eb I Mb
Compliance Standards	IEC 60079-0,7,15,31
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.ГБ05.В00138
KCC Certificate	13_GA4B0_0749X; 13_GA4B0_0750X; 14_GA4B0_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
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.

Dimensions listed below are for metric 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)					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		Min	Max				Size	Type	Ordering Suffix		
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"	NPT	Min	Max	Max	Max	Max	Max	Max	Max	Max	Max
16	M16	15.0	-	-	-	3.2	8.0	24.0	26.4	34.9	16	RA2E100	1RA	PVC04	0.07
20s16	M20	15.0	1/2"	19.9	3/4"	3.2	8.0	27.0	29.7	31.4	20S16	RA2E100	1RA	PVC05	0.08
20S	M20	15.0	1/2"	19.9	3/4"	6.5	11.2	27.0	29.7	32.1	20S	RA2E100	1RA	PVC05	0.07
20	M20	15.0	1/2"	19.9	3/4"	7.0	13.5	27.0	29.7	35.8	20	RA2E100	1RA	PVC05	0.08
20L	M20	15.0	1/2"	19.9	3/4"	8.7	14.0	27.0	29.7	34.3	20L	RA2E100	1RA	PVC05	0.08
25	M25	15.0	3/4"	20.2	1"	11.5	19.5	36.0	39.6	40.4	25	RA2E100	1RA	PVC09	0.16
25L	M25	15.0	3/4"	20.2	1"	14.0	20.0	36.0	39.6	39.9	25L	RA2E100	1RA	PVC09	0.16
32	M32	15.0	1"	25.0	1 1/4"	19.0	25.5	41.0	45.1	38.5	32	RA2E100	1RA	PVC10	0.19
32L	M32	15.0	1"	25.0	1 1/4"	20.2	26.3	41.0	45.1	38.9	32L	RA2E100	1RA	PVC10	0.19
40	M40	15.0	1 1/4"	25.6	1 1/2"	25.0	32.2	50.0	55.0	39.1	40	RA2E100	1RA	PVC13	0.25
50S	M50	15.0	1 1/2"	26.1	2"	31.0	38.2	60.0	66.0	41.1	50S	RA2E100	1RA	PVC18	0.33
50	M50	15.0	2"	26.9	2 1/2"	35.6	44.0	60.0	66.0	45.8	50	RA2E100	1RA	PVC18	0.35
63S	M63	15.0	2"	26.9	2 1/2"	41.5	49.9	75.0	82.5	43.3	63S	RA2E100	1RA	PVC23	0.56
63	M63	15.0	2 1/2"	39.9	3"	48.2	54.9	75.0	82.5	43.6	63	RA2E100	1RA	PVC23	0.55
75S	M75	15.0	2 1/2"	39.9	3"	54.0	61.9	89.9	98.9	45.4	75S	RA2E100	1RA	PVC27	0.73
75	M75	15.0	3"	41.5	3 1/2"	61.1	67.9	89.9	98.9	49.0	75	RA2E100	1RA	PVC27	0.58
90	M90	24.0	3 1/2"	42.8	4"	66.6	79.9	108.0	118.8	66.0	90	RA2E100	1RA	PVC31	1.71
100	M100	24.0	3-1/2"	42.8	4"	76.0	89.0	123.0	135.3	71.2	100	RA2E100	1RA	LSF33	2.26
115	M115	24.0	4"	44.0	5"	86.0	97.9	133.4	146.7	69.9	115	RA2E100	1RA	LSF34	2.74
130	M130	24.0	5"	46.8	-	97.0	114.9	152.4	167.6	81.1	130	RA2E100	1RA	LSF35	4.07

\*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'  
 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: 32RA2E1001RA534 = Nickel Plated Brass 1-1/4" NPT, 50SRA2E1001RA035 = Brass 1-1/2" NPT, 25RA2E1001RA432 = Stainless Steel 3/4" NPT, 20RA2E1001RA5 = Nickel Plated Brass M20