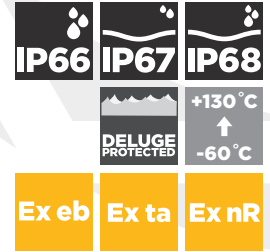


# A2e100

**A2e100 INTERNATIONALLY APPROVED, Ex eb, EXPLOSIVE ATMOSPHERE CABLE GLAND**

**FOR ALL TYPES OF UNARMoured & BRAIDED CABLES**

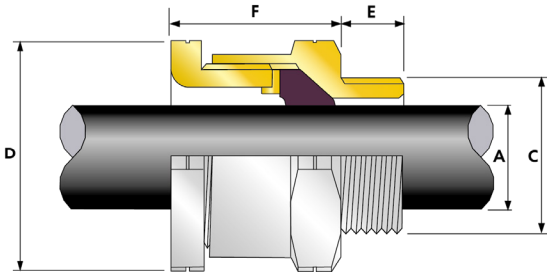
- Complies 100% with IEC 60079-0 cable retention requirements
- No special conditions for safe use
- No external cable clamping required by certification
- Displacement type seal
- Deluge protected
- -60°C to +130°C
- Internationally marked, UKEX, IECEx and ATEX
- 10mm thread lengths available upon request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



TECHNICAL DATA	
DESIGN SPECIFICATION	BS 6121:Part 1:1989, IEC 62444, EN 62444
MECHANICAL CLASSIFICATION*	Impact = Level 8, Cable Anchorage = Class B
ENCLOSURE PROTECTION	IK10 to IEC 62262 (20 joules) Brass and Stainless Steel only
INGRESS PROTECTION RATING**	IP66, IP67 and IP68***
DELUGE PROTECTION COMPLIANCE	DTS01 : 91
CABLE GLAND MATERIAL	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium
SEAL MATERIAL	CMP SOLO LSF Halogen Free Thermostat Elastomer
CABLE TYPE	Unarmoured and Braided
SEALING TECHNIQUE	CMP Displacement Seal
SEALING AREA(S)	Cable Outer Sheath

\* Mechanical and Electrical Classifications applied as per IEC 62444 and EN 62444 \*\* When CMP installation accessories are used. Refer to [www.cmp-products.com](http://www.cmp-products.com) for further information.

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



GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML18ATEX3309, CML18ATEX4311	IECEx CERTIFICATE	IECEx CML 18.0174
UKEX CERTIFICATE	CML 21UKEX3244, CML 21UKEX4248	CODE OF PROTECTION	Ex eb IIC Gb, Ex ta IIIC Da, Ex nR IIC Gc, Ex eb I Mb IP66, IP67, IP68
CODE OF PROTECTION	Ⓔ II 2G 1D Ex eb IIC Gb, Ex ta IIIC Da IP66, IP67, IP68 Ⓔ II 3G Ex nR IIC Gc Ⓔ I M2 Ex eb I Mb	COMPLIANCE STANDARDS	IEC 60079-0,7,15,31
COMPLIANCE STANDARDS	EN 60079-0,7,15,31	COMPLIANCE STANDARDS	IEC 60079-0,7,15,31
MARINE APPROVALS	DNV: TAE000000Y		
ECAS CERTIFICATE	02-02-05633-E20-02-001090/NB0007		
SANS	IA MS-XPL21804.21.0004		



COMBINED ORDERING REFERENCE (*BRASS METRIC)			AVAILABLE ENTRY THREADS 'C' (ALTERNATIVE METRIC THREAD LENGTHS AVAILABLE)					OVERALL CABLE DIAMETER 'A'		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'F'	SHROUD	CABLE GLAND WEIGHT (kg)
			STANDARD			OPTION								
SIZE	TYPE	ORDERING SUFFIX	METRIC	THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'	NPT	MIN	MAX	MAX	MAX			
16	A2E100	1RA	M16	15.0	-	-	-	3.2	8.0	24.0	26.4	34.9	PVC04	0.07
20S16	A2E100	1RA	M20	15.0	1/2"	19.9	3/4"	3.2	8.0	24.0	26.4	30.4	PVC04	0.08
20S	A2E100	1RA	M20	15.0	1/2"	19.9	3/4"	6.5	11.2	24.0	26.4	31.9	PVC04	0.07
20	A2E100	1RA	M20	15.0	1/2"	19.9	3/4"	7.0	13.5	27.0	29.7	35.8	PVC05	0.08
20L	A2E100	1RA	M20	15.0	1/2"	19.9	3/4"	8.7	14.0	27.0	29.7	34.3	PVC05	0.08
25	A2E100	1RA	M25	15.0	3/4"	20.2	1"	11.5	19.5	36.0	39.6	40.4	PVC09	0.16
25L	A2E100	1RA	M25	15.0	3/4"	20.2	1"	14.0	20.0	36.0	39.6	39.9	PVC09	0.16
32	A2E100	1RA	M32	15.0	1"	25.0	1 1/4"	19.0	25.5	41.0	45.1	38.5	PVC10	0.19
32L	A2E100	1RA	M32	15.0	1"	25.0	1 1/4"	20.2	26.3	41.0	45.1	35.5	PVC10	0.19
40	A2E100	1RA	M40	15.0	1 1/4"	25.6	1 1/2"	25.0	32.2	50.0	55.0	38.8	PVC13	0.25
50S	A2E100	1RA	M50	15.0	1 1/2"	26.1	2"	31.0	38.2	55.0	60.5	41.4	PVC15	0.33
50	A2E100	1RA	M50	15.0	2"	26.9	2 1/2"	35.6	44.0	60.0	66.0	45.8	PVC18	0.35
63S	A2E100	1RA	M63	15.0	2"	26.9	2 1/2"	41.5	49.9	70.5	77.6	43.3	PVC21	0.56
63	A2E100	1RA	M63	15.0	2 1/2"	39.9	3"	48.2	54.9	75.0	82.5	43.6	PVC23	0.55
75S	A2E100	1RA	M75	15.0	2 1/2"	39.9	3"	54.0	61.9	84.0	92.4	45.4	PVC24	0.73
75	A2E100	1RA	M75	15.0	3"	41.5	3 1/2"	61.1	67.9	84.0	92.4	49.0	PVC24	0.58
90	A2E100	1RA	M90	24.0	3 1/2"	42.8	4"	66.6	79.9	108.0	118.8	66.0	PVC31	1.71
100	A2E100	1RA	M100	24.0	3 1/2"	42.8	4"	76.0	89.0	123.0	135.3	72.2	LSF33	2.26
115	A2E100	1RA	M115	24.0	4"	44.0	5"	86.0	97.9	133.4	146.7	67.9	LSF34	2.74
130	A2E100	1RA	M130	24.0	5"	46.8	-	97.0	114.9	152.4	167.6	81.1	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: 32A2E1001RA534 = Nickel Plated Brass 1 1/4" NPT, 50SA2E1001RA035 = Brass 1 1/2" NPT, 25A2E1001RA432 = Stainless Steel 3/4" NPT, 20A2E1001RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

Dimensions listed are for metric cable glands only. Dimensions for alternative threads may vary.

[www.cmp-products.com](http://www.cmp-products.com)

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