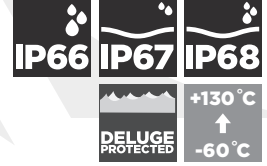


# A2F100

**GLOBALLY APPROVED, EXPLOSIVE ATMOSPHERE CABLE GLAND**

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

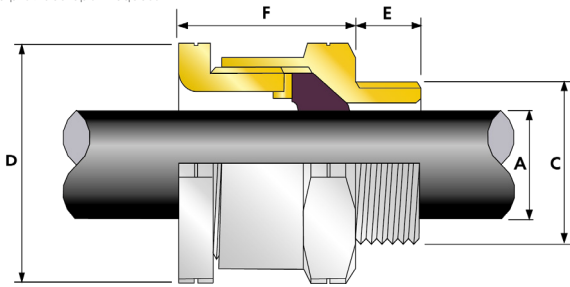
- Complies 100% with IEC 60079-0 cable retention requirements
- No 'special conditions' for safe use
- No external cable clamping required by certification
- Displacement type flameproof seal
- Deluge protected
- -60°C to +130°C
- Globally marked, IECEx & ATEX
- Ingress protection disc available on request



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)
INGRESS PROTECTION RATING**	IP66, IP67 & IP68***
DELUGE PROTECTION COMPLIANCE	DTS01:91
CABLE GLAND MATERIAL	Electroless Nickel Plated Brass
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

GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML18ATEX1307, CML18ATEX4311	IECEx CERTIFICATE	IECEx CML 18.0172, IECEx SIM 17.0010
CODE OF PROTECTION	⊕ II 2G 1D II Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da, II 3G Ex nR IIC Gc ⊕ I M2 Ex db I Mb, Ex eb I Mb IP66, IP67, IP68	CODE OF PROTECTION	Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da, Ex nR IIC Gc, Ex db I Mb, Ex eb I Mb IP66, IP67, IP68
COMPLIANCE STANDARDS	EN 60079-0, 1, 7, 15, 31	COMPLIANCE STANDARDS	IEC 60079-0, 1, 7, 15, 31
NEPSI CERTIFICATE	GYJ18.1249X		
CCOE / PESO CERTIFICATE (INDIA)	P444949		
MARINE APPROVALS	DNV: TAE000000Y		

\* Mechanical & Electrical Classifications applied as per IEC 62444 & 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.



COMBINED ORDERING REFERENCE			AVAILABLE ENTRY THREADS 'C'		OVERALL CABLE DIAMETER 'A'		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'F'	SHROUD	CABLE GLAND WEIGHT (kg)
SIZE	TYPE	ORDERING SUFFIX	METRIC	THREAD LENGTH 'E'	MIN	MAX	MAX	MAX			
16	A2F100	1RA5	M16	15.0	3.2	8.0	24.0	26.4	34.9	PVC04	0.07
20S16	A2F100	1RA5	M20	15.0	3.2	8.0	24.0	26.4	30.4	PVC04	0.08
20S	A2F100	1RA5	M20	15.0	6.5	11.2	24.0	26.4	31.9	PVC04	0.07
20	A2F100	1RA5	M20	15.0	7.0	13.5	27.0	29.7	35.8	PVC05	0.09
20L	A2F100	1RA5	M20	15.0	8.7	14.0	27.0	29.7	34.3	PVC05	0.09
25	A2F100	1RA5	M25	15.0	11.5	19.5	36.0	39.6	40.4	PVC09	0.16
25L	A2F100	1RA5	M25	15.0	14.0	20.0	36.0	39.6	39.9	PVC09	0.16
32	A2F100	1RA5	M32	15.0	19.0	25.5	41.0	45.1	38.5	PVC10	0.18
32L	A2F100	1RA5	M32	15.0	20.2	26.3	41.0	45.1	35.5	PVC10	0.18
40	A2F100	1RA5	M40	15.0	25.0	32.2	50.0	55.0	38.8	PVC13	0.25
50S	A2F100	1RA5	M50	15.0	31.0	38.2	55.0	60.5	41.4	PVC15	0.33
50	A2F100	1RA5	M50	15.0	35.6	44.0	60.0	66.0	45.8	PVC18	0.35
63S	A2F100	1RA5	M63	15.0	41.5	49.9	70.5	77.6	43.3	PVC21	0.56
63	A2F100	1RA5	M63	15.0	48.2	54.9	75.0	82.5	43.6	PVC23	0.55
75S	A2F100	1RA5	M75	15.0	54.0	61.9	84.0	92.4	45.4	PVC24	0.73
75	A2F100	1RA5	M75	15.0	61.1	67.9	84.0	92.4	49.0	PVC24	0.58
90	A2F100	1RA5	M90	24.0	66.6	79.9	108.0	118.8	66.0	PVC31	1.71
100	A2F100	1RA5	M100	24.0	76.0	89.0	123.0	135.3	72.2	LSF33	2.26
115	A2F100	1RA5	M115	24.0	86.0	97.9	133.4	146.7	67.9	LSF34	2.74
130	A2F100	1RA5	M130	24.0	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: 32A2F1001RA534 = Nickel Plated Brass 1 1/4" NPT, 50SA2F1001RA035 = Brass 1 1/2" NPT, 25A2F1001RA432 = Stainless Steel 3/4" NPT, 20A2F1001RA5 = 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. For NPT, please refer to supplementary technical datasheet TDS706NPT.