



A2F100

Ex e Ex d Ex nR Ex ta

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
- Supplied with ingress disc



TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	CML 18ATEX1307, CML 18ATEX4311
Code of Protection	⊕ II 2G, II 1D Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da ⊕ II 3G Ex nRc IIC Gc, ⊕ I M2 Ex db I Mb, Ex eb I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx CML 18.0172, IECEx SIM 17.0010
Code of Protection	Ex db IIC Gb, Ex eb IIC Gb, Ex nRc IIC Gc, Ex ta IIIC Da, Ex db I Mb, Ex eb I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
KCs KOSHA Certificate	13_GA4BO_0748X; 13_GA4BO_0749X; 13_GA4BO_0750X; 14_GA4BO_0251X
NEPSI Certificate	GYJ18.1249X
INMETRO Approval	TÜV 12.0619X
CCOE / PESO Certificate (India)	P333688
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172, DNV: E-13848, ABS: 14-LD234401A-4-PDA
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
 ** When CMP installation accessories are used. Refer to page 7 or www.cmp-products.com for further information.
 *** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request

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	Max	Max		Size	Type	Ordering Suffix		
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"	NPT										
16	M16	15.0	-	-	-	3.2	8.0	24.0	26.4	34.9	16	A2F100	1RA	PVC04	0.07
20S16	M20	15.0	1/2"	19.9	3/4"	3.2	8.0	24.0	26.4	30.4	20S16	A2F100	1RA	PVC04	0.08
20S	M20	15.0	1/2"	19.9	3/4"	6.5	11.2	24.0	26.4	31.9	20S	A2F100	1RA	PVC04	0.07
20	M20	15.0	1/2"	19.9	3/4"	7.0	13.5	27.0	29.7	35.8	20	A2F100	1RA	PVC05	0.09
20L	M20	15.0	1/2"	19.9	3/4"	8.7	14.0	27.0	29.7	34.3	20L	A2F100	1RA	PVC05	0.09
25	M25	15.0	3/4"	20.2	1"	11.5	19.5	36.0	39.6	40.4	25	A2F100	1RA	PVC09	0.16
25L	M25	15.0	3/4"	20.2	1"	14.0	20.0	36.0	39.6	39.9	25L	A2F100	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	A2F100	1RA	PVC10	0.18
32L	M32	15.0	1"	25.0	1 1/4"	20.2	26.3	41.0	45.1	35.5	32L	A2F100	1RA	PVC10	0.18
40	M40	15.0	1 1/4"	25.6	1 1/2"	25.0	32.2	50.0	55.0	38.8	40	A2F100	1RA	PVC13	0.25
50S	M50	15.0	1 1/2"	26.1	2"	31.0	38.2	55.0	60.5	41.4	50S	A2F100	1RA	PVC15	0.33
50	M50	15.0	2"	26.9	2 1/2"	35.6	44.0	60.0	66.0	45.8	50	A2F100	1RA	PVC18	0.35
63S	M63	15.0	2"	26.9	2 1/2"	41.5	49.9	70.5	77.6	43.3	63S	A2F100	1RA	PVC21	0.56
63	M63	15.0	2 1/2"	39.9	3"	48.2	54.9	75.0	82.5	43.6	63	A2F100	1RA	PVC23	0.55
75S	M75	15.0	2 1/2"	39.9	3"	54.0	61.9	84.0	92.4	45.4	75S	A2F100	1RA	PVC26	0.73
75	M75	15.0	3"	41.5	3 1/2"	61.1	67.9	84.0	92.4	49.0	75	A2F100	1RA	PVC26	0.58
90	M90	24.0	3 1/2"	42.8	4"	66.6	79.9	108.0	118.8	66.0	90	A2F100	1RA	PVC31	1.71
100	M100	24.0	3 1/2"	42.8	4"	76.0	89.0	123.0	135.3	72.2	100	A2F100	1RA	LSF33	2.26
115	M115	24.0	4"	44.0	5"	86.0	97.9	133.4	146.7	67.9	115	A2F100	1RA	LSF34	2.74
130	M130	24.0	5"	46.8	-	97.0	114.9	152.4	167.6	81.1	130	A2F100	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 (NPT & Metric threads only available); 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