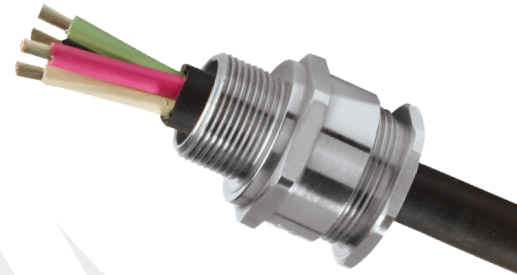


A2F

A2F GLOBALLY APPROVED,
EXPLOSIVE ATMOSPHERE CABLE GLAND

FOR ALL TYPES OF UNARMoured & BRAIDED CABLES

- Displacement type flameproof seal
- Deluge protected
- 60°C to +130°C
- Globally marked, UKEX, IECEx, ATEX and CSA

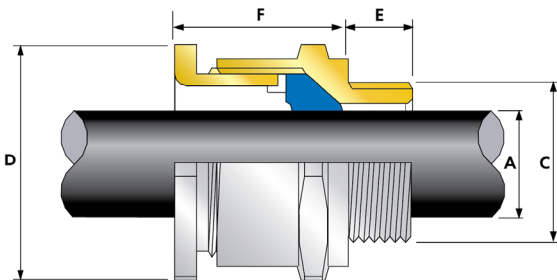


Ex db Ex eb Ex ta Ex nR

TECHNICAL DATA

DESIGN SPECIFICATION	BS 6121:Part 1:1989, IEC 62444, EN 62444
MECHANICAL CLASSIFICATION*	Impact = Level 8, Cable Anchorage = Type 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 Thermoset Elastomer
CABLE TYPE	Unarmoured and Braided when terminated inside enclosure
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 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	CML18ATEX1321X, CML18ATEX4313X	IECEx CERTIFICATE	IECEx CML 18.0179X
UKEX CERTIFICATE	CML 21UKEX1245X, CML 21UKEX4246X		
CODE OF PROTECTION	II 2G 1D Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da, II 3G, Ex nR IIC Gc	CODE OF PROTECTION	Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
COMPLIANCE STANDARDS	EN 60079-0, 1, 1.5, 31	COMPLIANCE STANDARDS	IEC 60079-0, 1, 1.5, 31
CSA CERTIFICATE	1211841		
CODE OF PROTECTION	Type 4X: Ex e II, Ex nR II		
COMPLIANCE STANDARDS	C22.2 No 0, 0.4, 94, 174, CAN/CSA-E60079-0, 7, 15		
EAC CERTIFICATE	EA3C KZ 7100841.01.01.07876	UK SEPPO CERTIFICATE	CLQ 19.0371X
KCS KOSHA CERTIFICATE	13-GA4B0-0748X; 13-GA4B0-0749X; 13-GA4B0-0750X; 14-GA4B0-0251X		
CCOE / PESO (INDIA) CERTIFICATE	P613077, P613080, P613081	TAIWAN APPROVAL	ML091200700KJ1
CCC CERTIFICATE	2020322313002951	INMETRO APPROVAL	TÜV 21.1075X
ECAS CERTIFICATE	24-03-106290/E24-03-110155/NB0007		
SANS	S-XPL/21.0008 X		
MARINE APPROVALS	LRS: LR22320739TA, DNV: TAE000000Y, ABS: 25-0285992-PDA, BV: 43180		



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			
**16S	A2F	1RA	M16	15.0	-	-	-	2.0	7.4	24.0	26.4	29.9	PVC04	0.060
16	A2F	1RA	M16	15.0	-	-	-	3.2	8.7	24.0	26.4	29.9	PVC04	0.060
**20S16S	A2F	1RA	M20	15.0	½"	19.9	¾"	2.0	7.4	24.0	26.4	26.0	PVC04	0.070
20S16	A2F	1RA	M20	15.0	½"	19.9	¾"	3.2	8.7	24.0	26.4	26.0	PVC04	0.070
20S	A2F	1RA	M20	15.0	½"	19.9	¾"	6.1	11.7	24.0	26.4	26.0	PVC04	0.060
20	A2F	1RA	M20	15.0	½"	19.9	¾"	6.5	14.0	27.0	29.7	27.7	PVC05	0.070
25	A2F	1RA	M25	15.0	¾"	20.2	1"	11.1	20.0	36.0	39.6	35.5	PVC09	0.130
32	A2F	1RA	M32	15.0	1"	25.0	1 ¼"	17.0	26.3	41.0	45.1	35.1	PVC10	0.150
40	A2F	1RA	M40	15.0	1 ¼"	25.6	1 ½"	23.5	32.2	50.0	55.0	35.1	PVC13	0.200
50S	A2F	1RA	M50	15.0	1 ½"	26.1	2"	31.0	38.2	55.0	60.5	33.0	PVC15	0.260
50	A2F	1RA	M50	15.0	2"	26.9	2 ½"	35.6	44.0	60.0	66.0	37.3	PVC18	0.270
63S	A2F	1RA	M63	15.0	2"	26.9	2 ½"	41.5	49.9	70.5	77.6	33.5	PVC21	0.430
63	A2F	1RA	M63	15.0	2 ½"	39.9	3"	47.2	55.9	75.0	82.5	36.2	PVC23	0.400
75S	A2F	1RA	M75	15.0	2 ½"	39.9	3"	54.0	61.9	84.0	92.4	34.1	PVC24	0.520
75	A2F	1RA	M75	15.0	3"	41.5	3 ½"	61.1	67.9	84.0	92.4	40.9	PVC24	0.500
90	A2F	1RA	M90	24.0	3 ½"	42.8	4"	66.6	79.9	108.0	118.8	60.3	PVC31	1.600
100	A2F	1RA	M100	24.0	3 ½"	42.8	4"	76.0	91.0	123.0	135.3	57.2	LSF33	1.780
115	A2F	1RA	M115	24.0	4"	44.0	5"	86.0	97.9	133.4	146.7	67.3	LSF34	2.670
130	A2F	1RA	M130	24.0	5"	46.8	-	97.0	114.9	152.4	167.6	74.7	LSF35	3.800

**ATEX, IECEx, UKEX, INMETRO, PESO & CCC certified

*For material options add the following suffix to the ordering reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'
For NPT options add the following digits to the material suffix; ½" = 31; ¾" = 32; 1" = 33; 1 ¼" = 34; 1 ½" = 35; 2" = 36; 2 ½" = 37; 3" = 38; 3 ½" = 39; 4" = 310 (Brass requires prefix '0')

Examples: 32A2F1RA534 = Nickel Plated Brass 1 ¼" NPT, 50SA2F1RA035 = Brass 1 ½" NPT, 25A2F1RA432 = Stainless Steel ¾" NPT, 20A2F1RA5 = 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.