

A2FFC

A2FFC GLOBALLY APPROVED, FLEXIBLE CONDUIT EXPLOSIVE ATMOSPHERE CABLE GLAND

FOR ALL TYPES OF UNARMoured & BRAIDED CABLES HOUSED IN CONDUIT

- Designed for flexible and rigid conduits
- Rigid conduits require thread adaptor from conduit supplier
- Suitable for conduit with rubber sheath / coating
- Displacement type flameproof seal
- -60°C to +130°C
- Globally marked, UKEX, IECEx, ATEX and CSA



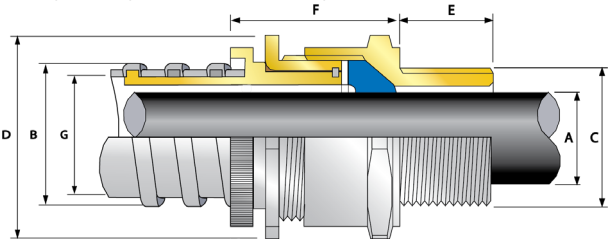
IP66
+130°C
↑
-60°C

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
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 Housed in Flexible Conduit
SEALING TECHNIQUE	CMP Displacement Seal
SEALING AREA(S)	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. Alternative conduit sizes available upon request. Ordering Suffix - e.g. C (conduit) O50 (CMP sizing reference)



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 60079-0,1,7,15,31	COMPLIANCE STANDARDS	IEC 60079-0,1,7,15,31
CSA CERTIFICATE	1211841		
CODE OF PROTECTION	Ex d IIC, Ex e II, Ex nR II, Enclosure Type 4x		
COMPLIANCE STANDARDS	C22.2 No 0,0.4, 94, 174, CAN/CSA-60079-0,1,7,15		
EAC CERTIFICATE	RU C-GB_AQ07.B.02519/20	UK SEPRO CERTIFICATE	CLJ 19.0371X
KCS KOSHA CERTIFICATE	13_GA4B0_0748X; 13_GA4B0_0749X; 13_GA4B0_0750X; 14_GA4B0_0251X		
RETIÉ APPROVAL NUMBER	03866	CCOE / PESO (INDIA) CERTIFICATE	P444949
CCC CERTIFICATE	2020322313002951	INMETRO APPROVAL	TUV 21.1075X
ECAS CERTIFICATE	20-02-05362	SANS	IAS-XPL21804.21.0008X
MARINE APPROVALS	LRS: 01/00172, ABS: 20-LD1948801-PDA		



COMBINED ORDERING REFERENCE (*BRASS METRIC)			ENTRY THREADS 'C'	THREAD LENGTH (METRIC) 'E' (ALTERNATIVE METRIC THREAD LENGTHS AVAILABLE)	DIAMETER OF CABLE 'A'		SPECIFIC INTERNAL DIAMETER OF CONDUIT 'G'	MAXIMUM EXTERNAL DIAMETER OF CONDUIT 'B'	ACROSS FLATS 'D'		PROTRUSION LENGTH 'F'	MAXIMUM ENVELOPE DIAMETER	CABLE GLAND WEIGHT (kg)
SIZE	TYPE	ORDERING SUFFIX			MIN	MAX			MAX	MAX			
20S16	A2FFC	1RAC000	M20 x 1.5	15.0	3.2	4.1	5.1	12.0	24.0	26.4	33.2	26.4	0.09
20S16	A2FFC	1RAC001	M20 x 1.5	15.0	3.2	5.2	6.8	13.0	24.0	26.4	33.2	26.4	0.09
20S16	A2FFC	1RAC004	M20 x 1.5	15.0	3.2	5.5	7.8	13.0	24.0	26.4	33.2	26.4	0.09
20S16	A2FFC	1RAC009	M20 x 1.5	15.0	3.2	8.0	9.1	15.0	24.0	26.4	33.2	26.4	0.08
20S16	A2FFC	1RAC010	M20 x 1.5	15.0	3.2	8.1	9.5	15.0	24.0	26.4	33.2	26.4	0.09
20S16	A2FFC	1RAC020	M20 x 1.5	15.0	3.2	8.1	10.2	16.0	24.0	26.4	33.2	26.4	0.09
20S16	A2FFC	1RAC025	M20 x 1.5	15.0	3.2	8.1	10.9	17.0	24.0	26.4	33.2	26.4	0.09
20S16	A2FFC	1RAC030	M20 x 1.5	15.0	3.2	8.1	11.7	17.4	24.0	26.4	33.2	26.4	0.09
20S16	A2FFC	1RAC035	M20 x 1.5	15.0	3.2	8.1	12.2	19.0	24.0	26.4	33.2	26.4	0.09
20S	A2FFC	1RAC040	M20 x 1.5	15.0	6.1	11.4	13.0	20.0	24.0	26.4	33.1	26.4	0.09
20S	A2FFC	1RAC045	M20 x 1.5	15.0	6.1	11.7	13.9	20.0	24.0	26.4	33.1	26.4	0.09
20S	A2FFC	1RAC060	M20 x 1.5	15.0	6.1	11.7	14.7	21.5	24.0	26.4	33.1	26.4	0.09
20	A2FFC	1RAC050	M20 x 1.5	15.0	6.5	13.1	15.6	21.6	27.0	29.7	35.4	29.7	0.10
20	A2FFC	1RAC066	M20 x 1.5	15.0	6.5	14.0	16.9	23.4	27.0	29.7	35.4	29.7	0.10
20	A2FFC	1RAC070	M20 x 1.5	15.0	6.5	14.0	18.0	24.0	27.0	29.7	35.4	29.7	0.10
20	A2FFC	1RAC075	M20 x 1.5	15.0	6.5	14.0	18.7	25.0	27.0	29.7	35.4	29.7	0.10
20	A2FFC	1RAC080	M20 x 1.5	15.0	6.5	14.0	20.0	26.3	27.0	29.7	35.4	29.7	0.12
20	A2FFC	1RAC085	M20 x 1.5	15.0	6.5	14.0	20.5	28.0	27.0	29.7	35.4	31.0	0.11
25	A2FFC	1RAC100	M25 x 1.5	15.0	11.1	15.3	17.6	25.0	36.0	39.6	43.1	39.6	0.16
25	A2FFC	1RAC105	M25 x 1.5	15.0	11.1	18.4	20.7	27.0	36.0	39.6	43.1	39.6	0.16
25	A2FFC	1RAC110	M25 x 1.5	15.0	11.1	19.0	22.3	28.5	36.0	39.6	43.1	39.6	0.17
25	A2FFC	1RAC115	M25 x 1.5	15.0	11.1	20.0	23.7	32.0	36.0	39.6	43.1	39.6	0.18
25	A2FFC	1RAC120	M25 x 1.5	15.0	11.1	20.0	25.1	31.0	36.0	39.6	43.1	39.6	0.17
25	A2FFC	1RAC180	M25 x 1.5	15.0	11.1	20.0	26.5	35.0	36.0	39.6	43.1	39.6	0.18
32	A2FFC	1RAC250	M32 x 1.5	15.0	17.0	26.0	28.1	35.8	41.0	45.1	43.1	45.1	0.21
32	A2FFC	1RAC280	M32 x 1.5	15.0	17.0	26.3	30.4	38.0	41.0	45.1	43.1	45.1	0.21
32	A2FFC	1RAC290	M32 x 1.5	15.0	17.0	26.3	34.6	45.0	41.0	45.1	43.6	48.0	0.25
40	A2FFC	1RAC300	M40 x 1.5	15.0	23.5	32.2	36.4	45.0	50.0	55.0	45.1	55.0	0.28
40	A2FFC	1RAC380	M40 x 1.5	15.0	23.5	32.2	40.0	49.0	50.0	55.0	45.1	55.0	0.30
50S	A2FFC	1RAC450	M50 x 1.5	15.0	31.0	38.2	46.5	58.7	55.0	60.5	43.8	63.7	0.48
50S	A2FFC	1RAC500	M50 x 1.5	15.0	31.0	38.2	51.2	61.0	55.0	60.5	43.8	65.0	0.49
50	A2FFC	1RAC550	M50 x 1.5	15.0	35.6	44.0	51.2	61.0	60.0	66.0	48.0	66.0	0.49

* 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 please 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 (Brass requires prefix "0")

Examples: 32A2FFC1RA534C290 = Nickel Plated Brass 1 1/4" NPT suitable for conduit sized 35.0 ID - 43.0 OD, 50SA2FFC1RA035C500 = Brass 1 1/2" NPT, 20A2FFC1RA5C075 = Nickel Plated Brass M20 suitable for conduit sized 18.7 ID - 24.0 OD
Dimensions are displayed in millimetres unless otherwise stated

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