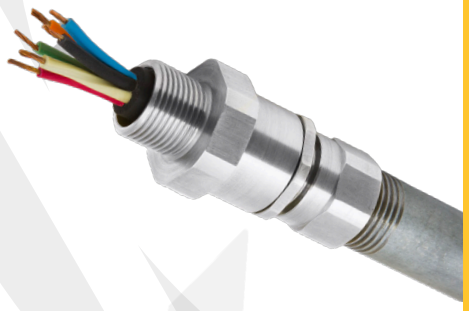
A2FRC

A2FRC GLOBALLY APPROVED, RIGID & FLEXIBLE CONDUIT EXPLOSIVE ATMOSPHERE CABLE GLAND



FOR ALL TYPES OF UNARMOURED & BRAIDED CABLES HOUSED IN CONDUIT

- Designed for rigid & flexible conduits
- Easy install running coupler design
- Displacement type flameproof seal
- -60˚C to +130˚C
- Globally marked, IECEx, ATEX & CSA

IP66

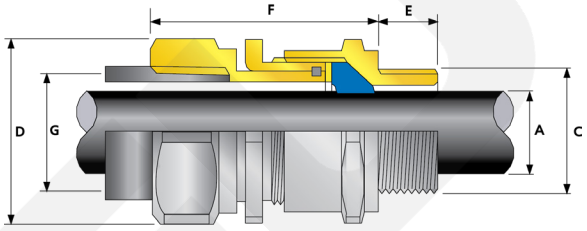
+130˚C
-60˚C

Ex eb | Ex db | Ex ta | ExnR

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 & Stainless Steel only
INGRESS PROTECTION RATING**	IP66
CABLE GLAND MATERIAL	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel
SEAL MATERIAL	CMP SOLO LSF Halogen Free Thermoset Elastomer
CABLE TYPE	Unarmoured & Braided when terminated inside enclosure
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 www.cmp-products.com for further information.
Alternative conduit sizes available upon request.
See 'thread option ordering examples' table below for typical NPT & Metric thread ordering references





GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML18ATEX1321X, CML18ATEX4313X	IECEx CERTIFICATE	IECEx CML 18.0179X, IECEx SIM 14.0006
CODE OF PROTECTION	Ⓔx II 2G 1D Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da , Ⓔx 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	TC RU C-GB.AA87.B.00487	UkrSEPRO	СЦ 19.0371X
KCs KOSHA CERTIFICATE	19-AV4B0-0471X ; 19-AV4B0-0472X ; 19-AV4B0-0473X	ECAS CERTIFICATE	20-02-05362
RETIE APPROVAL NUMBER	03866	CCOE / PESO (INDIA) CERTIFICATE	P444949
NEPSI CERTIFICATE	GYJ18.1249X	INMETRO APPROVAL	TÜV 12.0878X
MARINE APPROVALS	LRS: 01/00172, DNV: TAE000000Y, BV: 43180 A1 BV, ABS: 17-LD1619350-PDA		

THREAD OPTION ORDERING EXAMPLES		
ORDERING REFERENCE	MALE THREAD	FEMALE THREAD
20A2FRC1RA	M20	M20
20A2FRC1RA0**31**	**M20**	**½" NPT**
20A2FRC1RA0**3131**	**½" NPT**	**½" NPT**
20A2FRC1RA0**3102**†	**½" NPT**	**M20**

Refer to 'How to order' page for complete list of ordering codes.
† For Metric female threads please insert '**0**' before thread size code
e.g. 32A2RC1RA534**0**5 (1 ¼" NPT Male x M40 Female)

COMBINED ORDERING REFERENCE (*BRASS METRIC MALE AND FEMALE)			AVAILABLE ENTRY THREADS "C" (ALTERNATE METRIC THREAD LENGTHS AVAILABLE)					FEMALE CONNECTION THREAD "G"	FEMALE CONNECTION THREAD (NPT) "G"	OVERALL CABLE DIAMETER "A"		ACROSS FLATS "D"	ACROSS CORNERS "D"	PROTRUSION LENGTH "F"	SHROUD	CABLE GLAND WEIGHT (kgs)
			STANDARD				OPTION									
SIZE	TYPE	ORDERING SUFFIX	METRIC	THREAD LENGTH (METRIC) "E"	NPT	THREAD LENGTH (NPT) "E"	NPT			MIN	MAX	MAX	MAX			
20S16	A2FRC	1RA	M20	15.0	½"	19.9	¾"	M20	½"	3.2	8.7	24.0	26.4	46.9	PVC04	0.110
20S	A2FRC	1RA	M20	15.0	½"	19.9	¾"	M20	½"	6.1	11.7	24.0	26.4	46.1	PVC04	0.110
20	A2FRC	1RA	M20	15.0	½"	19.9	¾"	M20	½"	6.5	14.0	27.0	29.7	47.9	PVC05	0.110
25	A2FRC	1RA	M25	15.0	¾"	20.2	1"	M25	¾"	11.1	20.0	36.0	39.6	56.1	PVC09	0.200
32	A2FRC	1RA	M32	15.0	1"	25.0	1 ¼"	M32	1"	17.0	26.3	41.0	45.1	55.5	PVC10	0.240
40	A2FRC	1RA	M40	15.0	1 ¼"	25.6	1 ½"	M40	1 ¼"	23.5	32.2	50.0	55.0	57.7	PVC13	0.330
50S	A2FRC	1RA	M50	15.0	1 ½"	26.1	2"	M50	1 ½"	31.0	38.2	55.0	60.5	59.1	PVC15	0.430
50	A2FRC	1RA	M50	15.0	2"	26.9	2 ½"	M50	2"	35.6	44.0	60.0	66.0	64.3	PVC18	0.440
63S	A2FRC	1RA	M63	15.0	2"	26.9	2 ½"	M63	2"	41.5	49.9	70.5	77.6	61.6	PVC21	0.720
63	A2FRC	1RA	M63	15.0	2 ½"	39.9	3"	M63	2 ½"	47.2	55.9	75.0	82.5	71.0	PVC23	0.640
75S	A2FRC	1RA	M75	15.0	2 ½"	39.9	3"	M75	2 ½"	54.0	61.9	84.0	92.4	70.1	PVC26	0.960
75	A2FRC	1RA	M75	15.0	3"	41.5	3 ½"	M75	3"	61.1	67.9	84.0	92.4	73.2	PVC26	0.860
90	A2FRC	1RA	M90	24.0	3 ½"	42.8	4"	M90	3 ½"	66.6	79.9	108.0	118.8	106.3	PVC31	2.250

*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 male and / or female options please add the following digits to the material suffix (See Thread Options table above) 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")
NPT male & Metric female product option is required, please add the following digits to the material and NPT male suffix (See Thread Options table) M16= 01, M20 = 02, M25 = 03, M32 = 04, M40 = 05, M50 = 06, M63 = 07, M75 = 08, M90 = 09 (Brass requires prefix "0")

Examples: 32A2FRC1RA533 = Nickel Plated Brass M32 male x 1" NPT female, 20S16A2FRC1RA031 = Brass M20 male x ½" NPT female, 25A2FRC1RA43203 = Stainless Steel ¾" NPT male x M25 female, 20A2FRC1RA5 = Nickel Plated Brass M20 male & female

Dimensions are displayed in millimetres unless otherwise stated

Dimensions listed are for metric cable glands only. Dimensions for alternative threads may vary, please see supplementary technical data sheet.