TECHNICAL DATA

CABLE GLAND TYPE : A2FRC INGRESS PROTECTION : IP66 : BS EN ISO 9001 PROCESS CONTROL SYSTEM : ISO/IFC 80079-34:2011

SIRA13ATEX1068X, SIRA13ATEX4074X

ATEX CERTIFICATION CODE (II 2G II 1D Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da, II 3G Ex nR IIC Gc

IECEx CERTIFICATION No IECEX CERTIFICATION CODE

: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da CSA CERTIFICATION No

CSA CERTIFICATION CODE : Ex d IIC / Ex e II / Ex nR II, CSA Enclosure Type 4X

INSTALLATION INSTRUCTIONS

Installation should only be performed by a competent person using the correct tools. Spanners should be used for tightening. Read all instructions before beginning installation.

SPECIAL CONDITIONS FOR SAFE USE

When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling

The following accessories are available from CMP Products, as optional extras, to assist with fixing, sealing and earthing :

Locknut, Earth Tag, Serrated Washer, Entry Thread (I.P.) Sealing Washer, Shroud

Cable Gland Size	Available Entry Threads (Alternate Metric Thread Lengths Available)						Overall Cable Diameter		Across Flats	Across		Combined Ordering Reference (*Brass Metric male and female)				
	Standard 0				Option	Standard	Diameter		Flats	Corners		("Brass Metric male and female)				Cable
	Metric	Thread Length (Metric)	NPT	Thread Length (NPT)	NPT	Female Connection Thread	Min	Max	Max	Max	Protrusion Length	Size	Туре	Ordering Suffix	Shroud	Gland Weight (Kgs)
205/16	M20	15.0	1/2"	19.9	3/4"	M20	3.2	8.7	24.0	26.4	43.6	20516	A2FRC	1RA	PVC04	0.110
205	M20	15.0	1/2"	19.9	3/4"	M20	6.1	11.7	24.0	26.4	43.6	205	A2FRC	1RA	PVC04	0.110
20	M20	15.0	1/2"	19.9	3/4"	M20	6.5	14.0	27.0	29.7	42.4	20	A2FRC	1RA	PVC05	0.110
25	M25	15.0	3/4"	20.2	1"	M25	11.1	20.0	36.0	39.6	50.4	25	A2FRC	1RA	PVC09	0.200
32	M32	15.0	1"	25.0	1 1/4"	M32	17.0	26.3	41.0	45.1	50.7	32	A2FRC	1RA	PVC10	0.240
40	M40	15.0	1 1/4"	25.6	1 1/2"	M40	23.5	32.2	50.0	55.0	51.4	40	A2FRC	1RA	PVC13	0.330
505	M50	15.0	1 1/2"	26.1	2"	M50	31.0	38.2	55.0	60.5	55.2	50S	A2FRC	1RA	PVC15	0.430
50	M50	15.0	2"	26.9	2 1/2"	M50	35.6	44.0	60.0	66.0	62.0	50	A2FRC	1RA	PVC18	0.440
635	M63	15.0	2"	26.9	2 1/2"	M63	41.5	49.9	70.5	77.6	58.4	635	A2FRC	1RA	PVC21	0.720
63	M63	15.0	2 1/2"	39.9	3"	M63	47.2	55.9	75.0	82.5	61.5	63	A2FRC	1RA	PVC23	0.640
755	M75	15.0	2 1/2"	39.9	3"	M75	54.0	61.9	80.0	88.0	63.2	755	A2FRC	1RA	PVC26	0.960
75	M75	15.0	3"	41.5	3 1/2"	M75	61.1	67.9	84.0	92.4	68.6	75	A2FRC	1RA	PVC26	0.860
90	M90	24.0	3 1/2"	42.8	4"	M90	66.6	79.9	108.0	118.8	94.2	90	A2FRC	1RA	PVC31	2.250
100	M100	24.0	4"	44.0	5"	M100	76.0	91.0	123.0	135.5	115.0	100	A2FRC	1RA	-	3.860
115	M115	24.0	4"	44.0	5"	M115	86.0	97.9	133.4	146.7	118.6	115	A2FRC	1RA	-	4.500
130	M130	24.0	5"	46.8	6"	M130	97.0	114.9	152.4	167.6	122.4	130	A2FRC	1RA	-	4.770

Note: Standard Seal (Black) Temperature Range = -60°C to +130°C

High Temperature Seal (Brown) Temperature Range = -20°C to +200°C for High Temperature Seal add 'HT' to Ordering Reference after Gland Type e.g. 20SA2FRCHT1RA.

CMP Products Limited on its sole responsibility declares that the equipment referred to herein conforms to the requirements of the ATEX Directive 2014/34/EU and the

EN 60079-0:2012, EN 60079-1:2007, EN 60079-7:2007, EN 60079-15:2010, EN 60079-31:2009, BS 6121:1989, EN 62444:2013

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David Willcock - Certification Engineer (Authorised Person) CMP Products Limited, Cramlington, NE23 1WH, UK 24th June 2015



Thorne & Derrick +44 (0) 191 410 4292 www.powerandcables.com

Glasshouse Street • St. Peters • Newcastle upon Tyne • NE6 1BS Tel: +44 191 265 7411 • Fax: +44 1670 715 646

E-Mail: customerservices@cmp-products.co.uk • Web: www.cmp-products.com Notified Body: Sira Certification Service, Unit 6, Hawarden Industrial Park, Hawarden, CH5 3US, UK



CONDUIT GLAND FOR USE WITH UNARMOURED AND BRAID ARMOURED CABLES.

INCORPORATING EU DECLARATION OF CONFORMITY TO DIRECTIVE [2014/34/EU]

























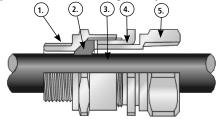




INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES A2FRC

CABLE GLAND COMPONENTS - It is not necessary to dismantled the cable gland any further than illustrated below

- 1. Entry Item
- 2. Seal
- 3. Skid Washer
- 4. Seal Nut
- 5. Conduit Coupling

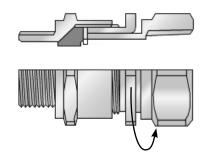


PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

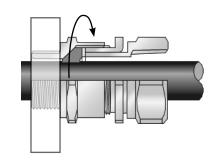
1. The A2FRC cable gland is suitable for all types of unarmoured cables, providing a flameproof seal on the outer sheath of the cable. It also has a rotating female-threaded coupling at the rear of the gland to allow the attachment of conduit.

This gland can also be used with braided cables where sealing is made on the cable outer sheath and the braid is earthed inside the equipment when this arrangement is allowed by the prevailing installation code of practice.

2. There is no need to dismantle the cable gland prior to installation. Simply slacken the Seal Nut (4) to relax the seal (2).



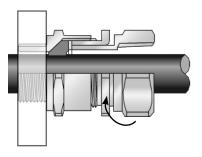
3. Fit the gland into the equipment and fully tighten the Entry Item (1).



4. Determine the conductor length required to suit the installation and prepare the cable accordingly, removing part of the outer sheath where required to reveal the insulated conductors.



5. Pass the cable through the gland to the desired position, then tighten the seal nut by hand until resistance is felt (when the seal contacts the cable). Tighten with a spanner one further turn.



6. Attach the conduit to the Conduit Coupler (5) and fully tighten. Ensure that the Seal Nut (4) does not come loose during this process by holding it with a spanner.

