

A2FRC Series Nickel Plated Brass Cable Glands

Increased Safety and Flameproof

With Elastomer Seal for Unarmored Cables. For Conduit Connection ①

CEC:
Ex d IIC
Ex e II
Ex nR II
Type 4x

ATEX/IECEX:
Ex d IIC
Ex e IIC Gb
Ex nR IIC Gc
Ex ta IIIC Da

HAZARDOUS LOCATION FITTINGS: ATEX/IECEX FLAMEPROOF CABLE GLANDS

Applications

- Cable glands for unarmored cable certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC (as per §10.4.2 of IEC 60079-14)
 - Ex e increased safety
 - Ex nR restricted breathing
 - D dust environment
- Hazardous areas (gas and dust)
- Onshore and offshore

Features

- Elastomer displacement seal for unarmored cable provides a combined flameproof and weatherproof seal on the outer sheath of the cable.

Standard Materials

- Gland: brass, fully nickel plated
- Seal: LSF (low smoke fumes) thermoplastic elastomer

Options

- Aluminum: replace last digit 5 with 1
- 316L stainless steel: replace last digit 5 with 4
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages

CEC Certifications and Compliances

- CSA Standard: CSA Standard: C22.2 No. 174, CAN/CSA E60079-0, CAN/CSA E60079-1, CAN/CSA E60079-7
- CSA Certified: 1211841

Cable Gland Size	Metric Thread C	Catalog Numbers ②				
		Standard Metric	Standard NPT Thread C	Catalog Numbers Standard NPT	Optional NPT Thread C	Optional NPT Thread
20S16	M20	2016A2FRC5	1/2	2016A2FRC0505	3/4	2016A2FRC0755
20S	M20	20SA2FRC5	1/2	20SA2FRC0505	3/4	20SA2FRC0755
20	M20	20A2FRC5	1/2	20A2FRC0505	3/4	20A2FRC0755
25	M25	25A2FRC5	3/4	25A2FRC0755	1	25A2FRC1005
32	M32	32A2FRC5	1	32A2FRC1005	1-1/4	32A2FRC1255
40	M40	40A2FRC5	1-1/4	40A2FRC1255	1-1/2	40A2FRC1505
50S	M50	50SA2FRC5	1-1/2	50SA2FRC1505	2	50SA2FRC2005
50	M50	50A2FRC5	2	50A2FRC2005	2-1/2	50A2FRC2505
63S	M63	63SA2FRC5	2	63SA2FRC2005	2-1/2	63SA2FRC2505
63	M63	63A2FRC5	2-1/2	63A2FRC2505	3	63A2FRC3005
75S	M75	75SA2FRC5	2-1/2	75SA2FRC2505	3	75SA2FRC3005
75	M75	75A2FRC5	3	75A2FRC3005	3-1/2	75A2FRC3505
90	M90	90A2FRC5	3	90A2FRC3005	3-1/2	90A2FRC3505
100	M100	100A2FRC5	4	100A2FRC4005	5	100A2FRC5005
115	M115	115A2FRC5	4	115A2FRC4005	5	115A2FRC5005
130	M130	130A2FRC5	5	130A2FRC5005	6	130A2FRC6005

① The A2FRC Cable Gland is suitable for use with all forms of equipment protection permitted in Zone 1, Zone 2, Zone 21 and Zone 22 provided always that the prevailing code of practice for selection and installation is observed, e.g. IEC 60079-14.

② Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

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CEC:
Ex d IIC
Ex e II
Ex nR II
Type 4x

ATEX/IECEX:
Ex d IIC
Ex e IIC Gb
Ex nR IIC Gc
Ex ta IIc Da

ATEX/IECEX Certifications and Compliances

- Certification Type A2F
 - Gas: Zones 1 and 2
 - Type of Protection: Ex d IIC, Ex e II, Ex nR II
 - Dust: Zones 21 and 22
 - Type of Protection: Ex tD A21
- Conforming to ATEX 94/9/CE: Ⓢ II 2 GD
- Ambient Temperature: -60 °C to +130 °C (-76 °F to +266 °F)
- CE Declaration of Conformity: DC07001
- ATEX Certificate: SIRA 1 3ATEX1 068X, SIRA 1 3ATEX4074X
- IECEx Certificate: IECEx SIR 1 3.0023X
- Other Certifications: LLOYDS, DNV, ABS
- Ingress Protection (solid and liquid): IP66, IP67, IP68
- EN/IEC Standards: 60079-0; 60079-1; 60079-7; 60079-15

INMETRO Certification

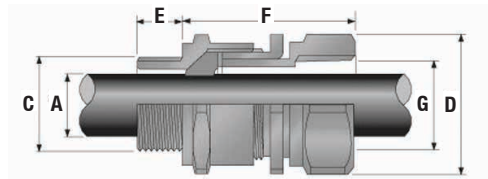
- INMETRO Certificate: TÜV 12.0878X

EURASEC Certification

- TC RU C-GB.Г505.B.00138



Dimensions in Millimeters (Inches)



HAZARDOUS LOCATION FITTINGS: ATEX/IECEX FLAMEPROOF CABLE GLANDS

Cable Gland Size	Standard Female Connection Thread G	Minimum Thread Length mm (in) E	Overall Cable Diameter mm (in) A		Across Corners mm (in) D	Across Flats mm (in) D	Nominal Protrusion Length mm (in) F	Optional PVC Shroud	Weight kg (oz)
			Min	Max					
20S16	1/2	15.0 (0.59)	3.2 (0.13)	8.7 (0.34)	26.4 (1.04)	24.0 (0.94)	37.0 (1.46)	PVC04	0.11 (3.88)
20S	1/2	15.0 (0.59)	6.1 (0.24)	11.7 (0.46)	26.4 (1.04)	24.0 (0.94)	37.0 (1.46)	PVC04	0.11 (3.88)
20	1/2	15.0 (0.59)	6.5 (0.26)	14.0 (0.55)	29.7 (1.17)	27.0 (1.06)	37.0 (1.46)	PVC05	0.11 (3.88)
25	3/4	15.0 (0.59)	11.1 (0.44)	20.0 (0.79)	39.6 (1.56)	36.0 (1.42)	39.0 (1.54)	PVC09	0.20 (7.05)
32	1	15.0 (0.59)	17.0 (0.67)	26.3 (1.04)	39.6 (1.56)	36.0 (1.42)	41.0 (1.61)	PVC10	0.24 (8.47)
40	1-1/4	15.0 (0.59)	23.5 (0.93)	32.2 (1.27)	50.6 (1.99)	46.0 (1.81)	42.0 (1.65)	PVC13	0.33 (11.64)
50S	1-1/2	15.0 (0.59)	31.0 (1.22)	38.2 (1.50)	55.0 (2.17)	50.0 (1.97)	48.0 (1.89)	PVC15	0.43 (15.17)
50	2	15.0 (0.59)	35.6 (1.40)	44.1 (1.74)	71.5 (2.81)	65.0 (2.56)	51.0 (2.01)	PVC18	0.44 (15.52)
63S	2	15.0 (0.59)	41.5 (1.63)	50.0 (1.97)	71.5 (2.81)	65.0 (2.56)	50.0 (1.97)	PVC21	0.72 (25.40)
63	2-1/2	15.0 (0.59)	47.2 (1.86)	56.0 (2.20)	88.0 (3.46)	80.0 (3.15)	50.0 (1.97)	PVC23	0.64 (22.58)
75S	2-1/2	15.0 (0.59)	54.0 (2.13)	62.0 (2.44)	88.0 (3.46)	80.0 (3.15)	60.0 (2.36)	PVC26	0.96 (33.86)
75	3	15.0 (0.59)	61.1 (2.41)	68.0 (2.68)	110.0 (4.33)	100.0 (3.94)	60.0 (2.36)	PVC26	0.86 (30.34)
90	3	24.0 (0.94)	66.6 (2.62)	80.0 (3.15)	110.0 (4.33)	100.0 (3.94)	79.0 (3.11)	PVC31	2.25 (79.37)
100	4	24.0 (0.94)	76.0 (2.99)	91.0 (3.58)	135.3 (5.33)	123.0 (4.84)	110.0 (4.33)	—	3.86 (136.16)
115	4	24.0 (0.94)	86.0 (3.39)	98.0 (3.86)	146.4 (5.76)	133.0 (5.24)	110.0 (4.33)	—	4.50 (158.73)
130	5	24.0 (0.94)	97.0 (3.82)	115.0 (4.53)	165.0 (6.50)	152.0 (5.98)	120.0 (4.72)	—	4.77 (168.26)

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