

E1FX Series Nickel Plated Brass Cable Gland

For Armored Cables

Increased Safety and Flameproof.

Zone 1 & 2 - 21 & 22

⊕ II 2 GD

ATEX / IECEx

IP66

Applications

- Cable gland for armored cables (braid, tape, tape with lead sheath) certified for enclosures with the following protection modes:
 - Ex d flameproof IIB or IIC (as per §10.4.2 of IEC 60079-14) (Refer to the ATX Guide for Use of Electrical Products in Hazardous Locations)
 - Ex e increased safety
 - Ex nR restricted breathing
 - D dust environment
- Hazardous areas (gas and dust)
- Onshore and offshore

Features

- Cable gland with elastomer seal for use in hazardous areas with braided and tape armor cable.
- The cable gland allows mechanical cable retention and earth continuity via cable armor termination.
- A detachable armor cone and AnyWay clamping ring arrangement facilitates remote make off and enables cable to be disconnected from the equipment.
- Inspection of the armor can be carried out while still maintaining the explosionproof protection mode of the enclosure.

Materials

- Body: nickel plated brass
- Seal: LSF (Low Smoke Fume) thermoplastic elastomer
 - Inner displacement seal and LRS (Load Retention seal) outer seal

Options

- Lead sheath version – Replace digit 1 with 2; Example: 32E1FX5 - 32E2FX5
- Brass with nickel plated threaded entry: remove last digit 5 with 7
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

Certifications and Compliances

- Certification Type E1FX/Z - E2FX/Z
- Zones 1 and 2, Gas
 - ATEX/IEC Protection: Ex d IIC, Ex e II, Ex nR II
- Zones 21 and 22, Dust
 - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
 - ATEX/IEC Protection: Ex tD A21
- Conforming to ATEX 94/9/CE: ⊕ II 2 GD
- Ambient Temperature: -76 °F/-60 °C to +266 °F/+130 °C
- CE Declaration of Conformity: DC07001
- ATEX Certificate: SIRA 06 ATEX 1097X
- IECEx Certificate: IECEx SIR 06.0043X
- Other Certifications: GOST
- Ingress Protection (solid and liquid): IP66
- IEC Standards Latest Editions: 60079-0; 60079-1; 60079-7; 60079-15; 61241-0; 61241-1
- Product Standards: BS 6121, NF E 03 601 (conical thread); ISO 065/1/III (metric thread)

Cable Glands Size	Metric †		Catalog Numbers			
			NPT †		Alternate NPT Thread †	
20S16	M20	2016E1FX5	1/2"	2016E1FX0505	3/4"	2016E1FX0755
20S	M20	20SE1FX5	1/2"	20SE1FX0505	3/4"	20SE1FX0755
20	M20	20E1FX5	1/2"	20E1FX0505	3/4"	20E1FX0755
25S	M25	25SE1FX5	3/4"	25SE1FX0755	1"	25SE1FX1005
25	M25	25E1FX5	3/4"	25E1FX0755	1"	25E1FX1005
32	M32	32E1FX5	1"	32E1FX1005	1-1/4"	32E1FX1255
40	M40	40E1FX5	1-1/4"	40E1FX1255	1-1/2"	40E1FX1505
50S	M50	50SE1FX5	1-1/2"	50SE1FX1505	2"	50SE1FX2005
50	M50	50E1FX5	2"	50E1FX2005	2-1/2"	50E1FX2505
63S	M63	63SE1FX5	2"	63SE1FX2005	2-1/2"	63SE1FX2505
63	M63	63E1FX5	2-1/2"	63E1FX2505	3"	63E1FX3005
75S	M75	75SE1FX5	2-1/2"	75SE1FX2505	3"	75SE1FX3005
75	M75	75E1FX5	3"	75E1FX3005	3-1/2"	75E1FX3505
90	M90	90E1FX5	3"	90E1FX3005	3-1/2"	90E1FX3505
100	M100	100E1FX5	4"	100E1FX4005	-	-

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

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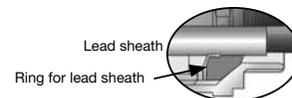
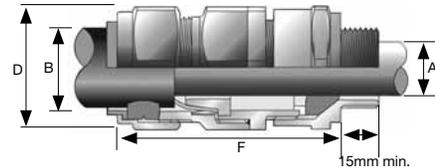
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Zone 1 & 2 - 21 & 22

II 2 GD

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E2FX Series
(see options)

Cable Glands Size	Cable Capacity (in/mm)				Dimensions (in/mm)		Length F (in/mm)	Weight (lbs/kgs)
	Inner A		Outer B		D			
	Min	Max	Min	Max	Corner	Flat		
20S16	0.12/3.1	0.34/8.7	0.24/6.1	0.45/11.5	1.05/26.6	0.94/24.0	2.30/58.5	0.35/0.16
20S	0.24/6.1	0.46/11.7	0.37/9.5	0.63/15.9	1.05/26.6	0.94/24.0	2.30/58.5	0.35/0.16
20	0.26/6.5	0.55/14.0	0.49/12.5	0.82/20.9	1.31/33.3	1.20/30.5	2.38/60.5	0.46/0.21
25S	0.44/11.1	0.79/20.0	0.55/14.0	0.87/22.0	1.59/40.5	1.48/37.5	2.66/67.5	0.71/0.32
25	0.44/11.1	0.79/20.0	0.72/18.2	1.03/26.2	1.59/40.5	1.48/37.5	2.66/67.5	0.71/0.32
32	0.67/17.0	1.04/26.3	0.93/23.7	1.33/33.9	2.01/51.0	1.81/46.0	2.74/69.5	0.99/0.45
40	0.87/22.0	1.27/32.2	1.10/27.9	1.59/40.4	2.40/61.0	2.17/55.0	3.07/78.0	1.50/0.68
50S	1.16/29.5	1.50/38.2	1.39/35.2	1.84/46.7	2.62/66.5	2.36/60.0	2.97/75.5	1.61/0.73
50	1.40/35.6	1.74/44.1	1.59/40.4	2.09/53.1	3.09/78.6	2.76/70.0	3.17/80.5	1.65/0.75
63S	1.58/40.1	1.97/50.0	1.80/45.6	2.34/59.4	3.28/83.2	2.95/75.0	3.60/91.5	2.95/1.34
63	1.86/47.2	2.20/56.0	2.15/54.6	2.59/65.9	3.50/89.0	3.15/80.0	3.62/92.0	3.17/1.44
75S	2.08/52.8	2.44/62.0	2.32/59.0	2.84/72.1	4.00/101.6	3.50/89.0	3.90/99.0	4.56/2.07
75	2.33/59.1	2.68/68.0	2.63/66.7	3.09/78.5	4.37/111.1	3.90/99.0	4.02/102.0	5.78/2.62
90	2.62/66.6	3.15/80.0	3.00/76.2	3.56/90.4	5.06/128.6	4.89/114.0	4.72/120.0	9.19/4.17
100	2.99/76.0	3.58/91.0	3.39/86.1	4.00/101.5	5.43/138.0	4.84/123.0	5.83/148.0	9.96/4.52