

A2F Series Nickel Plated Brass Cable Glands

Increased Safety, Flameproof, Restricted Breathing and Dust Locations
For Unarmored Cables.

CEC: Class I, Division 2, Groups B, C, D | Ex d IIC, Ex e IIC, Ex nR II | Type 4X
ATEX/IECEx : Zones 1 and 2 – 20
Notable: UKEX, INMETRO, EAC Certified

Applications

- Cable glands for unarmored and exterior braid armor with protective sheath cable certified for enclosures with the following protection modes:
 - Ex d: flameproof IIB or IIC
 - Ex e: increased safety
 - Ex nR: restricted breathing
 - D: dust environment
- Hazardous areas (gas and dust)
- Onshore and open-sea pipelines

Features

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

Standard Materials

- Body: nickel plated brass (suffix 5)
- Seal: LSF (Low Smoke Fume) thermoplastic elastomer

Options

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

CEC Certifications and Compliances

- CSA Standard: C22.2 No 0,0.4, 94, 174, CAN/CSA-E60079-0,1,7,15
- CSA Certified: 1211841

ATEX/IECEx Certifications and Compliances

- Certification Type: Type A**
 - Gas: Zones 1 and 2
 - Type of Protection: Ex db eb IIC Gb, Ex nR IIC Gc
 - Dust: Zone 20
 - Type of Protection: Ex ta IIIC Da
- Conforming to ATEX 2014/34/EU: Ⓢ II 2G 3G 1D
- Ambient Temperature: -60 °C to +130 °C (-76 °F to +266 °F)
- ATEX Certificate: CML 18ATEX1321X, CML 18ATEX4313X
- IECEx Certificate: IECEx CML 18.0179X
- Index of Protection according EN/IEC 60529: IP66, IP67, IP68
- Impact Resistance : IK10
- Deluge Protection Compliance: DTS01:91

| Cable Gland Size | Catalog Numbers | | | | | |
|------------------|-----------------|-------------------|-----------------------|----------------|-----------------------|-----------------------|
| | Metric Thread C | Standard Metric ① | Standard NPT Thread C | Standard NPT ① | Optional NPT Thread C | Optional NPT Thread ① |
| 20S16 | M20 | 2016A2F5 | 1/2" | 2016A2F0505 | 3/4" | 2016A2F0755 |
| 20S | M20 | 20SA2F5 | 1/2" | 20SA2F0505 | 3/4" | 20SA2F0755 |
| 20 | M20 | 20A2F5 | 1/2" | 20A2F0505 | 3/4" | 20A2F0755 |
| 25 | M25 | 25A2F5 | 3/4" | 25A2F0755 | 1" | 25A2F1005 |
| 32 | M32 | 32A2F5 | 1" | 32A2F1005 | 1-1/4" | 32A2F1255 |
| 40 | M40 | 40A2F5 | 1-1/4" | 40A2F1255 | 1-1/2" | 40A2F1505 |
| 50S | M50 | 50SA2F5 | 1-1/2" | 50SA2F1505 | 2" | 50SA2F2005 |
| 50 | M50 | 50A2F5 | 2" | 50A2F2005 | 2-1/2" | 50A2F2505 |
| 63S | M63 | 63SA2F5 | 2" | 63SA2F2005 | 2-1/2" | 63SA2F2505 |
| 63 | M63 | 63A2F5 | 2-1/2" | 63A2F2505 | 3" | 63A2F3005 |
| 75S | M75 | 75SA2F5 | 2-1/2" | 75SA2F2505 | 3" | 75SA2F3005 |
| 75 | M75 | 75A2F5 | 3" | 75A2F3005 | 3-1/2" | 75A2F3505 |
| 90 | M90 | 90A2F5 | 3-1/2" | 90A2F3505 | 4" | 90A2F4005 |
| 100 | M100 | 100A2F5 | 3-1/2" | 100A2F3505 | 4" | 100A2F4005 |
| 115 | M115 | 115A2F5 | 4" | 115A2F4005 | 5" | 115A2F5005 |
| 130 | M130 | 130A2F5 | 5" | 130A2F5005 | - | 130A2F6005 |

① Entry thread seal not supplied, see Cable Gland Accessories and Tools.

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UKEX Certifications

- UKEX Certificates: CML 21UKEX1245X, CML 21UKEX4246X, CML 21UKEX1249X, CML 21UKEX4250X

INMETRO Certifications

- INMETRO Certificate: TÜV 21.1075X; for INMETRO marking, add B after A2F. Example: 20A2FB5

EAC Certifications

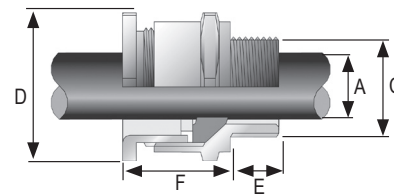
- EAC Certificate: C-GB.A07.B.02519/20; for EAC marking, add U after A2F. Example: 20A2FU5

Other Certifications

- KCs, CCC, CCOE/PESO (India), ECAS (UAE), UkrSEPRO (Ukraine)
- Marine Approval: LLOYDS, DNV, ABS



Dimensions in Millimeters (Inches)



| Cable Gland Size | Thread Length mm (in) E | | Overall Cable Diameter mm (in) A | | Across Flats mm (in) D Max. | Across Corners mm (in) D Max. | Nominal Protrusion Length mm (in) F | Optional PVC Shroud | Weight kg (oz) |
|------------------|-------------------------|-------------|----------------------------------|--------------|-----------------------------|-------------------------------|-------------------------------------|---------------------|----------------|
| | Metric | NPT | Min. | Max. | | | | | |
| 20S16 | 15.0 (0.59) | 19.9 (0.78) | 3.2 (0.13) | 8.7 (0.34) | 24.0 (0.95) | 26.4 (1.04) | 26.0 (1.04) | PVC04 | 0.07 (2.30) |
| 20S | 15.0 (0.59) | 19.9 (0.78) | 6.1 (0.24) | 11.7 (0.46) | 24.0 (0.95) | 26.4 (1.04) | 26.0 (1.04) | PVC04 | 0.06 (2.02) |
| 20 | 15.0 (0.59) | 19.9 (0.78) | 6.5 (0.26) | 14.0 (0.55) | 27.0 (1.06) | 29.7 (1.17) | 27.7 (1.06) | PVC05 | 0.07 (2.04) |
| 25 | 15.0 (0.59) | 20.2 (0.80) | 11.1 (0.44) | 20.0 (0.79) | 36.0 (1.42) | 39.6 (1.56) | 35.5 (1.40) | PVC09 | 0.13 (3.66) |
| 32 | 15.0 (0.59) | 25.0 (0.98) | 17.0 (0.67) | 26.3 (1.04) | 41.0 (1.62) | 45.1 (1.78) | 35.1 (1.35) | PVC10 | 0.15 (4.45) |
| 40 | 15.0 (0.59) | 25.6 (1.01) | 23.5 (0.93) | 32.2 (1.27) | 50.0 (1.97) | 55.0 (2.17) | 35.1 (1.37) | PVC13 | 0.20 (6.64) |
| 50S | 15.0 (0.59) | 26.1 (1.03) | 31.0 (1.22) | 38.2 (1.50) | 55.0 (2.17) | 60.5 (2.38) | 33.0 (1.34) | PVC15 | 0.26 (8.12) |
| 50 | 15.0 (0.59) | 26.9 (1.06) | 35.6 (1.40) | 44.0 (1.73) | 60.0 (2.36) | 66.0 (2.60) | 37.3 (1.52) | PVC18 | 0.27 (15.26) |
| 63S | 15.0 (0.59) | 26.9 (1.06) | 41.5 (1.63) | 49.9 (1.96) | 70.5 (2.78) | 77.6 (3.06) | 33.5 (1.42) | PVC21 | 0.43 (12.41) |
| 63 | 15.0 (0.59) | 39.9 (1.57) | 47.2 (1.86) | 55.9 (2.20) | 75.0 (2.96) | 82.5 (3.25) | 36.2 (1.41) | PVC23 | 0.46 (25.55) |
| 75S | 15.0 (0.59) | 39.9 (1.57) | 54.0 (2.13) | 61.9 (2.44) | 84.0 (3.31) | 92.4 (3.64) | 34.1 (1.46) | PVC26 | 0.52 (18.54) |
| 75 | 15.0 (0.59) | 41.5 (1.63) | 61.1 (2.41) | 67.9 (2.67) | 84.0 (3.31) | 92.4 (3.64) | 40.9 (1.58) | PVC26 | 0.50 (44.56) |
| 90 | 24.0 (0.94) | 42.8 (1.69) | 66.6 (2.62) | 79.9 (3.15) | 108.0 (4.26) | 118.8 (4.68) | 60.3 (2.18) | PVC31 | 1.60 (59.90) |
| 100 | 24.0 (0.94) | 42.8 (1.69) | 76.0 (2.99) | 91.0 (3.58) | 123.0 (4.85) | 135.3 (5.33) | 57.2 (2.19) | LSF33 | 1.78 (52.90) |
| 115 | 24.0 (0.94) | 44.0 (1.73) | 86.0 (3.39) | 97.9 (3.85) | 133.4 (5.26) | 146.7 (5.78) | 67.3 (2.57) | LSF34 | 2.67 (76.71) |
| 130 | 24.0 (0.94) | 46.8 (1.84) | 97.0 (3.82) | 114.9 (4.52) | 152.4 (6.00) | 167.6 (6.60) | 74.7 (2.91) | LSF35 | 3.80 (138.91) |

Hazardous Location Fittings