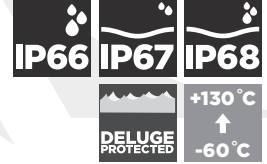


A2F100

Globally Approved, Explosive Atmosphere Cable Gland

For All Types of Unarmoured & Braided Cables

- Complies 100% with IEC 60079-0 cable retention requirements
- No 'special conditions' for safe use
- No external cable clamping required by certification
- Displacement type flameproof seal
- Deluge protected
- -60°C to +130°C
- Globally marked, UKEX, IECEx and ATEX
- Ingress protection disc available on request

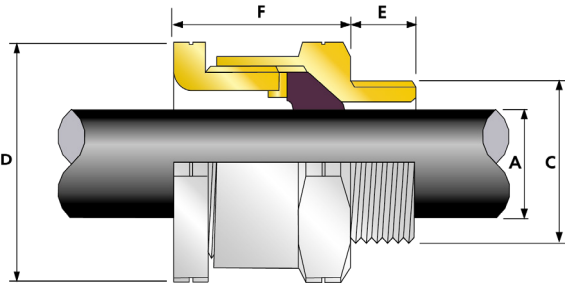


| TECHNICAL DATA | |
|------------------------------|---|
| DESIGN SPECIFICATION | BS 6121-Part 1:1989, IEC 62444, EN 62444 |
| MECHANICAL CLASSIFICATION* | Impact = Level 8, Cable Anchorage = Class B |
| ENCLOSURE PROTECTION | IK10 to IEC 62262 (20 joules) |
| INGRESS PROTECTION RATING** | IP66, IP67 and IP68*** |
| DELUGE PROTECTION COMPLIANCE | DTS01:91 |
| CABLE GLAND MATERIAL | Electroless Nickel Plated Brass |
| SEAL MATERIAL | CMP SOLO LSF Halogen Free Thermoset Elastomer |
| CABLE TYPE | Unarmoured and Braided |
| SEALING TECHNIQUE | CMP Displacement Seal |
| SEALING AREA(S) | Cable Outer Sheath |

* Mechanical and Electrical Classifications applied as per IEC 62444 and EN 62444 ** When CMP installation accessories are used. Refer to www.cmp-products.com for further information.

*** IP68 tested to a minimum depth of 30 metres for 12 hours, alternative depths / durations can be provided upon request.

| GLOBAL PRODUCT CERTIFICATION | | | |
|------------------------------|--|---------------------------------|--|
| ATEX CERTIFICATE | CML18ATEX1307, CML18ATEX4311 | IECEX CERTIFICATE | IECEX CML 18.0172, IECEX SIM 17.0010 |
| UKEX CERTIFICATE | CML 21UKE1247, CML 21UKE4248 | | |
| CODE OF PROTECTION | ⊕ II 2G 1D II Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da, ⊕ II 3G Ex nR IIC Gc ⊕ I M2 Ex db I Mb, Ex eb I Mb IP66, IP67, IP68 | CODE OF PROTECTION | Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da, Ex nR IIC Gc, Ex db I Mb, Ex eb I Mb IP66, IP67, IP68 |
| COMPLIANCE STANDARDS | EN 60079-0, 1, 7, 15, 31 | COMPLIANCE STANDARDS | IEC 60079-0, 1, 7, 15, 31 |
| CCC CERTIFICATE | 2020322313003430 | CCOE / PESO CERTIFICATE (INDIA) | P444949 |
| EAC CERTIFICATE | TC RU C-GB.AA07.B.02496/20 | | |
| CODE OF PROTECTION | ⊕ PB Ex db I Mb X, ⊕ PII Ex e I Mc X, ⊕ 1Ex db IIC Gb X, ⊕ 1Ex e IIC Gb X, ⊕ Ex ta IIIC Da X, ⊕ 2Ex nR IIC Gc X | | |
| SANS | IA MS-XPL21804 21.0002 | | |
| MARINE APPROVALS | DNV: TAE000000Y | | |



| COMBINED ORDERING REFERENCE | | | AVAILABLE ENTRY THREADS 'C' | | OVERALL CABLE DIAMETER 'A' | | ACROSS FLATS 'D' | ACROSS CORNERS 'D' | PROTRUSION LENGTH 'F' | SHROUD | CABLE GLAND WEIGHT (kg) |
|-----------------------------|--------|-----------------|-----------------------------|-------------------|----------------------------|-------|------------------|--------------------|-----------------------|--------|-------------------------|
| SIZE | TYPE | ORDERING SUFFIX | METRIC | THREAD LENGTH 'E' | MIN | MAX | MAX | MAX | | | |
| 16 | A2F100 | 1RA5 | M16 | 15.0 | 3.2 | 8.0 | 24.0 | 26.4 | 34.9 | PVC04 | 0.07 |
| 20S16 | A2F100 | 1RA5 | M20 | 15.0 | 3.2 | 8.0 | 24.0 | 26.4 | 30.4 | PVC04 | 0.08 |
| 20S | A2F100 | 1RA5 | M20 | 15.0 | 6.5 | 11.2 | 24.0 | 26.4 | 31.9 | PVC04 | 0.07 |
| 20 | A2F100 | 1RA5 | M20 | 15.0 | 7.0 | 13.5 | 27.0 | 29.7 | 35.8 | PVC05 | 0.09 |
| 20L | A2F100 | 1RA5 | M20 | 15.0 | 8.7 | 14.0 | 27.0 | 29.7 | 34.3 | PVC05 | 0.09 |
| 25 | A2F100 | 1RA5 | M25 | 15.0 | 11.5 | 19.5 | 36.0 | 39.6 | 40.4 | PVC09 | 0.16 |
| 25L | A2F100 | 1RA5 | M25 | 15.0 | 14.0 | 20.0 | 36.0 | 39.6 | 39.9 | PVC09 | 0.16 |
| 32 | A2F100 | 1RA5 | M32 | 15.0 | 19.0 | 25.5 | 41.0 | 45.1 | 38.5 | PVC10 | 0.18 |
| 32L | A2F100 | 1RA5 | M32 | 15.0 | 20.2 | 26.3 | 41.0 | 45.1 | 35.5 | PVC10 | 0.18 |
| 40 | A2F100 | 1RA5 | M40 | 15.0 | 25.0 | 32.2 | 50.0 | 55.0 | 38.8 | PVC13 | 0.25 |
| 50S | A2F100 | 1RA5 | M50 | 15.0 | 31.0 | 38.2 | 55.0 | 60.5 | 41.4 | PVC15 | 0.33 |
| 50 | A2F100 | 1RA5 | M50 | 15.0 | 35.6 | 44.0 | 60.0 | 66.0 | 45.8 | PVC18 | 0.35 |
| 63S | A2F100 | 1RA5 | M63 | 15.0 | 41.5 | 49.9 | 70.5 | 77.6 | 43.3 | PVC21 | 0.56 |
| 63 | A2F100 | 1RA5 | M63 | 15.0 | 48.2 | 54.9 | 75.0 | 82.5 | 43.6 | PVC23 | 0.55 |
| 75S | A2F100 | 1RA5 | M75 | 15.0 | 54.0 | 61.9 | 84.0 | 92.4 | 45.4 | PVC24 | 0.73 |
| 75 | A2F100 | 1RA5 | M75 | 15.0 | 61.1 | 67.9 | 84.0 | 92.4 | 49.0 | PVC24 | 0.58 |
| 90 | A2F100 | 1RA5 | M90 | 24.0 | 66.6 | 79.9 | 108.0 | 118.8 | 66.0 | PVC31 | 1.71 |
| 100 | A2F100 | 1RA5 | M100 | 24.0 | 76.0 | 89.0 | 123.0 | 135.3 | 72.2 | LSF33 | 2.26 |
| 115 | A2F100 | 1RA5 | M115 | 24.0 | 86.0 | 97.9 | 133.4 | 146.7 | 67.9 | LSF34 | 2.74 |
| 130 | A2F100 | 1RA5 | M130 | 24.0 | 97.0 | 114.9 | 152.4 | 167.6 | 81.1 | LSF35 | 4.07 |

For material options add the following suffix to the ordering reference; Brass (no suffix required); Nickel Plated Brass 'S'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'

NPT options add the following digits to the material suffix; 1/2" = 31; 3/4" = 32; 1" = 33; 1 1/4" = 34; 1 1/2" = 35; 2" = 36; 2 1/2" = 37; 3" = 38; 3 1/2" = 39; 4" = 310 (Brass requires prefix '0')

Examples: 32A2F1001RA534 = Nickel Plated Brass 1 1/4" NPT, 50SA2F1001RA035 = Brass 1 1/2" NPT, 25A2F1001RA432 = Stainless Steel 3/4" NPT, 20A2F1001RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

Dimensions listed are for metric cable glands only. Dimensions for alternative threads may vary.