



E2W

E2W Double Seal Industrial Cable Gland

For Lead Sheathed Steel & Aluminium Wire Armoured Cables

- Effectively earths / grounds lead sheathed cables
- Metal-to-metal armour clamping
- Direct & remote installation
- Permanently crimped, low impedance earth termination
- Secure against self-loosening
- Displacement type inner seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- Designed to prevent Coldflow
- Deluge protection option
- -60°C to +130°C
- EMC tested



| TECHNICAL DATA | |
|-----------------------------|--|
| Design Specification | BS 6121:Part 1:1989, IEC 62444, EN 62444 |
| Mechanical Classifications* | Impact = Level 8, Retention = Class D |
| Enclosure Protection | IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only |
| Electrical Classifications* | Category B |
| GOST R Certificate No. | POCC GB.ГБ05.H00187 |
| GOST K Certificate No. | KZ 7500361.01.01.25266 |
| RoK Permit For Use Number | 19-02-UL-1957 |
| Marine Approvals | LRS: 01/00171 (E1), ABS: 01-LD234401A/3-PDA |
| Ingress Protection Rating | IP66 as standard (IP67, IP68 available upon request)** |
| Cable Gland Material | Brass, Electroless Nickel Plated Brass, Aluminium, |
| Seal Material | CMP Thermoset Rubber |
| Cable Type | Lead Sheathed & Single Wire Armour (LC/SWA), Lead Sheathed & Aluminium Wire Armour (LC/AWA) |
| Armour Clamping | Detachable Armour Cone & AnyWay Universal Clamping Ring |
| Sealing Technique | CMP Inner Displacement Seal & Unique CMP 'LRS'™ Outer Load Retention Seal |
| Sealing Area(s) | Cable Inner Bedding & Outer Cable Sheath |

Note : * Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
 Note : ** Refer to page 7 or www.cmp-products.com for further information on Ingress Protection Ratings

Cable Gland Selection Table

Refer to illustration at the top of the page

| Cable Gland Size | Available Entry Threads "C" (Alternate Metric Thread Lengths Available) | | | | | Cable Lead Sheath Diameter "A" | | Overall Cable Diameter "B" | | Armour Range | | Across Flats "D" | Across Corners "D" | Protrusion Length "F" | Combined Ordering Reference (*Brass Metric) | | | Shroud | Cable Gland Weight (Kgs) |
|------------------|---|----------------------------|--------|-------------------------|--------|--------------------------------|-------|----------------------------|-------|--------------|------|------------------|--------------------|-----------------------|---|------|-----------------|--------|--------------------------|
| | Standard | | | Option | | Min | Max | Min | Max | Min | Max | Max | Max | | Size | Type | Ordering Suffix | | |
| | Metric | Thread Length (Metric) "E" | NPT | Thread Length (NPT) "E" | NPT | | | | | | | | | | | | | | |
| 20s16 | M20 | 10.0 | 1/2" | 19.9 | 3/4" | 3.1 | 7.8 | 6.1 | 13.1 | 0.8 | 1.25 | 24.0 | 26.4 | 72.5 | 20S16 | E2W | 1RA | PVC04 | 0.160 |
| 20S | M20 | 10.0 | 1/2" | 19.9 | 3/4" | 6.1 | 11.0 | 9.5 | 15.9 | 0.8 | 1.25 | 24.0 | 26.4 | 70.0 | 20S | E2W | 1RA | PVC04 | 0.150 |
| 20 | M20 | 10.0 | 1/2" | 19.9 | 3/4" | 6.5 | 13.4 | 12.5 | 20.9 | 0.8 | 1.25 | 30.5 | 33.6 | 73.0 | 20 | E2W | 1RA | PVC06 | 0.210 |
| 25S | M25 | 10.0 | 3/4" | 20.2 | 1" | 11.1 | 19.3 | 14.0 | 22.0 | 1.25 | 1.6 | 37.5 | 41.3 | 89.0 | 25S | E2W | 1RA | PVC09 | 0.330 |
| 25 | M25 | 10.0 | 3/4" | 20.2 | 1" | 11.1 | 19.3 | 18.2 | 26.2 | 1.25 | 1.6 | 37.5 | 41.3 | 89.0 | 25 | E2W | 1RA | PVC09 | 0.330 |
| 32 | M32 | 10.0 | 1" | 25.0 | 1 1/4" | 17.0 | 25.5 | 23.7 | 33.9 | 1.6 | 2.0 | 46.0 | 50.6 | 86.0 | 32 | E2W | 1RA | PVC11 | 0.430 |
| 40 | M40 | 15.0 | 1 1/4" | 25.6 | 1 1/2" | 22.0 | 31.2 | 27.9 | 40.4 | 1.6 | 2.0 | 55.0 | 60.5 | 90.0 | 40 | E2W | 1RA | PVC15 | 0.620 |
| 50S | M50 | 15.0 | 1 1/2" | 26.1 | 2" | 29.5 | 37.2 | 35.2 | 46.7 | 2.0 | 2.5 | 60.0 | 66.0 | 91.0 | 50S | E2W | 1RA | PVC18 | 0.750 |
| 50 | M50 | 15.0 | 2" | 26.9 | 2 1/2" | 35.6 | 42.6 | 40.4 | 53.0 | 2.0 | 2.5 | 70.1 | 77.1 | 95.0 | 50 | E2W | 1RA | PVC21 | 0.950 |
| 63S | M63 | 15.0 | 2" | 26.9 | 2 1/2" | 40.1 | 48.5 | 45.6 | 59.4 | 2.0 | 2.5 | 75.0 | 82.5 | 102.0 | 63S | E2W | 1RA | PVC23 | 1.340 |
| 63 | M63 | 15.0 | 2 1/2" | 39.9 | 3" | 47.2 | 54.2 | 54.6 | 65.8 | 2.0 | 2.5 | 80.0 | 88.0 | 104.0 | 63 | E2W | 1RA | PVC25 | 1.340 |
| 75S | M75 | 15.0 | 2 1/2" | 39.9 | 3" | 52.8 | 60.2 | 59.0 | 72.0 | 2.0 | 2.5 | 90.0 | 99.0 | 115.0 | 75S | E2W | 1RA | PVC28 | 2.110 |
| 75 | M75 | 15.0 | 3" | 41.5 | 3 1/2" | 59.1 | 65.2 | 66.7 | 78.4 | 2.5 | 3.0 | 100.0 | 110.0 | 117.0 | 75 | E2W | 1RA | PVC30 | 2.420 |
| 90 | M90 | 24.0 | 3 1/2" | 42.8 | 4" | 66.6 | 77.1 | 76.2 | 90.3 | 3.15 | 4.0 | 114.3 | 125.4 | 147.0 | 90 | E2W | 1RA | PVC32 | 4.210 |
| 100 | M100 | 24.0 | 4" | 44.0 | 5" | 76.0 | 88.1 | 86.1 | 101.4 | 3.15 | 4.0 | 123.0 | 135.3 | 140.0 | 100 | E2W | 1RA | LSF33 | 4.450 |
| 115 | M115 | 24.0 | 4" | 44.0 | 5" | 86.0 | 94.1 | 101.5 | 110.2 | 3.15 | 4.0 | 133.4 | 146.7 | 162.0 | 115 | E2W | 1RA | LSF34 | 6.190 |
| 130 | M130 | 24.0 | 5" | 46.8 | 6" | 97.0 | 110.1 | 110.2 | 123.2 | 3.15 | 4.0 | 152.4 | 160.6 | 174.0 | 130 | E2W | 1RA | LSF35 | 8.340 |

*Note : For material options please add the following suffix to change the Ordering Reference : Brass (no suffix required), Nickel Plated Brass "5", Copper Free Aluminium "1"
 For 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: 32E2W1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SE2W1RA035 = Brass 1-1/2" NPT, 25E2W1RA432 = Stainless Steel 3/4" NPT, 20E2W1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated