



**BW**

**BW Industrial Cable Gland**

**For all types of Steel & Aluminium Wire Armoured Cables**

- High quality durable materials
- Simple, effective two part arrangement
- Direct & remote installation
- Permanently crimped, low impedance earth termination
- Secure against self-loosening
- -60°C to +200°C
- EMC tested



| TECHNICAL DATA                   |   |
|----------------------------------|---|
| Design Specification             | BS 6121:Part 1:1989   |
| Mechanical Classifications*      | Impact = Level 8, Retention = Class D   |
| Enclosure Protection             | IK10 to IEC 62262 (20 joules)   |
| Electrical Classifications*      | Category B  |
| GOST R Certificate               | POCC GB, ГБ 05.H00187   |
| GOST K Certificate               | KZ 7500361.01.01.25266  |
| RoK Permit For Use               | 19-02-UL-1957   |
| Marine Approvals                 | LRS: 01/00171 (E1), ABS: 01-LD234401/2-PDA  |
| Continuous Operating Temperature | -60°C to +200°C   |
| Ingress Protection Rating        | IP2X**  |
| Cable Gland Material             | Brass, Electroless Nickel Plated Brass  |
| Cable Type                       | Single Wire Armour (SWA), Aluminium Wire Armour (AWA)   |
| Armour Clamping                  | Two Part Armour Lock  |
| Cable Gland Kits Available       | Cable Gland Kit for use with all types of SWA cable, including 2 Brass Cable Glands, 2 Steel Locknuts, 2 Brass Earth Tags and 2 PVC Shrouds for sizes up to and including 32mm. For sizes 40mm and above each kit includes 1 of each component. |

Note : \* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444  
 As IEC 62444 and EN 62444 do not cover cable glands which are supplied without cable sealing rings, the information provided here is for information only.  
 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 Bedding Diameter "A" Max | Overall Cable Diameter "B" Max | Armour Range |      | Across Flats "D" Max | Across Corners "D" Max | Protrusion Length "F" | Combined Ordering Reference (*Brass Metric) |      |                 | Shroud | Cable Gland Weight (Kgs) |
|------------------|---|----------------------------|--------------------------------|--------------------------------|--------------|------|----------------------|------------------------|-----------------------|---|------|-----------------|--------|--------------------------|
|                  | Metric  | Thread Length (Metric) "E" |                                |                                | Min          | Max  |                      |                        |                       | Size  | Type | Ordering Suffix |        |                          |
| 20S              | M20   | 10.0                       | 11.7                           | 15.8                           | 0.8          | 1.25 | 22.0                 | 24.2                   | 18.5                  | 20S   | BW   | 1AA             | PVC02  | 0.052                    |
| 20               | M20   | 10.0                       | 14.0                           | 21.1                           | 0.8          | 1.25 | 28.0                 | 30.8                   | 22.5                  | 20  | BW   | 1AA             | PVC05  | 0.088                    |
| 25               | M25   | 10.0                       | 20.0                           | 27.2                           | 1.25         | 1.6  | 33.0                 | 36.3                   | 21.5                  | 25  | BW   | 1AA             | PVC07  | 0.110                    |
| 32               | M32   | 10.0                       | 26.3                           | 34.1                           | 1.6          | 2.0  | 41.0                 | 45.1                   | 22.5                  | 32  | BW   | 1AA             | PVC10  | 0.149                    |
| 40               | M40   | 15.0                       | 32.2                           | 42.4                           | 1.6          | 2.0  | 50.0                 | 55.0                   | 30.0                  | 40  | BW   | 1AA             | PVC13  | 0.316                    |
| 50S              | M50   | 15.0                       | 38.2                           | 50.1                           | 2.0          | 2.5  | 57.1                 | 62.8                   | 30.0                  | 50S   | BW   | 1AA             | PVC16  | 0.468                    |
| 50               | M50   | 15.0                       | 44.1                           | 55.7                           | 2.0          | 2.5  | 65.0                 | 71.5                   | 32.0                  | 50  | BW   | 1AA             | PVC19  | 0.477                    |
| 63S              | M63   | 15.0                       | 50.0                           | 62.4                           | 2.0          | 2.5  | 75.0                 | 82.5                   | 41.3                  | 63S   | BW   | 1AA             | PVC23  | 0.632                    |
| 63               | M63   | 15.0                       | 56.0                           | 68.2                           | 2.0          | 2.5  | 79.0                 | 86.9                   | 41.3                  | 63  | BW   | 1AA             | PVC24  | 0.890                    |
| 75S              | M75   | 15.0                       | 62.0                           | 76.8                           | 2.0          | 2.5  | 89.0                 | 97.9                   | 47.6                  | 75S   | BW   | 1AA             | PVC27  | 1.268                    |
| 75               | M75   | 15.0                       | 68.0                           | 82.9                           | 2.5          | 3.0  | 95.0                 | 104.5                  | 49.6                  | 75  | BW   | 1AA             | PVC29  | 1.400                    |

\*For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass 'S'

Example: 32BW1RA5 = Nickel Plated Brass

Dimensions are displayed in millimetres unless otherwise stated