

Single Seal Gland for Unarmoured Cable
featuring a Freely Rotating Female Conduit Connection

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68 : Class I Zone 1 : AEx eb : AEx ta



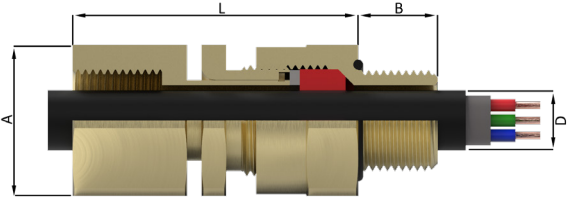
PRODUCT DESCRIPTION

"A*RCF" type glands are certified Flameproof Ex db, Increased Safety Ex eb, Restricted Breathing Ex nR and Dust Protected Ex ta. They are suitable for use in Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dust Groups IIA, IIB and IIC. Also certified for Zone and Division installations for use with Marine Shipboard and Tray Cables under the NEC and CEC. They provide a controlled pull resistant environmental displacement seal on the cable outer sheath, minimising damage to cables that exhibit "cold flow" characteristics. The gland maintains IP66 & IP68 to 50 metres and is supplied with an IP O-ring seal as standard on metric entry threads. Options are available for use with LSOH cables and extreme temperature applications. The gland features a freely rotating female threaded conduit connection for ease of installation.

COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60529
C22.2 (see certificate), CAN/CSA 60079-0/1/7/31
UL514B, UL1203, UL2225, UL50E, ANSI/UL 60079-0/7, ISA 60079-31

Table with 2 columns: Certification (UKEX, ATEX, IECEx, CEC - Canada, NEC - USA, EAC, INMETRO - Brazil, CCC - China, UKRAINE, CCoE - India, ECAS-Ex - U.A.E, ABS, LLOYD'S, DNV) and Gland Details (Entry Thread Size, Conduit Connection Thread, Cable Acceptance Outer Sheath [D], Nominal Protrusion Length [L], Dimensions/Weight).



EXAMPLE PART NUMBERING:
A2RCFB050NPT/NP/20/M20

Table with 2 columns: Option/Accessories and Description. Includes options like K-V-H (Locknut & Nylon), T (Including Earth Tag), S (Including Serrated Washer), 1 (Quantity per kit), 050NPT (1/2"NPT Female Conduit Connection Thread), NP (Nickel Plated), 20 (Gland Shell Size), M20 (M20 x 1.5mm Male Entry Thread).

OPTIONAL ACCESSORIES:

Table with 2 columns: Accessory and Description. Includes LOCKNUT (L), EARTH TAG (T), IP WASHERS, and SERRATED WASHERS.

Table with 2 columns: Specification and Value. Includes IP RATING (IP66 & IP68), OPERATING TEMP (Neoprene Seals -35°C to +90°C, Silicone Seals -60°C to +180°C), MATERIALS (Brass, Stainless Steel or Aluminium), and PLATING (Electroless Nickel).

CABLE GLAND SELECTION TABLE
(ALL DIMENSIONS IN mm)

Large table for cable gland selection with columns: Gland Size, Entry Thread Size (Metric, NPT), Metric Thread Length [B], Conduit Connection Thread (Metric, NPT), Cable Acceptance Outer Sheath [D] (Min, Max), Nominal Protrusion Length [L], and Dimensions/Weight (Metric Versions) (Across Flats [A], Across Corners, Weight [Kgs]).

NOTES

- Gland size does not necessarily equate to the entry thread size.
- The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads.
- Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our "Thread Reference Tables" for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. We usually incorporate a thread run out according to general machining techniques and parts will not have a full form

- thread for the entire length. Peppers Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.
- When selecting IP Washer material for use with glands, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
 - Where approval in addition to UKEX, ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.
- * Gland sizes 12 not available in aluminium