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# Technical Data Sheet

## Maintaining IP Rating of Equipment

IP rating comes from IEC 60529 Degrees of protection provided by enclosures (IP Code). There are generally two recognised practices for maintaining IP ratings at the interface between a cable gland and the equipment to which they are installed. These two practises are the use of sealing washers or o-ring seals. Both products will effectively maintain an IP rating of IP66 and higher. Whilst some cable glands are supplied complete with o-ring seals it is the user's responsibility to ensure the sealing method used is capable of ensuring the required level of ingress protection that the installation requires.

The following Peppers hazardous area certified cable glands are all supplied complete with an integral o-ring seal: -

CR\*\*\*  
A\*L\*F  
A\*LDS\*F  
A\*LC\*\*F  
CR-C\*\*  
CR-X\*  
CR-U\*  
CR-S\*

These cable glands have been tested to maintain an IP rating of IP66 and IP68 when installed into associated equipment in accordance with the provided Peppers Installation Instructions. If the installer wishes to discard the provided o-ring and use a sealing washer then maintaining the required IP rating is the responsibility of the installer.

The following Peppers hazardous area certified cable glands are not supplied as standard with an integral o-ring seal: -

E\*\*\*\*F\*  
C\*\*L\*\*E\*  
E8XF  
A8F

When fitted with Peppers sealing washers and installed into associated equipment in accordance with the provided Peppers Installation Instructions these cable glands have been tested to maintain an IP rating of IP66 and IP68. For the purposes of this document the test requirements for IP68 are deemed to be more strenuous than the requirements for IP67. Where a cable gland meets the requirements of IP68 it also meets the requirements of IP67.

All recommendations, statements and technical data contained herein are based against information deemed to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either express or implied. The user shall rely on their own information and tests to determine suitability of the product for the intended use, and the user assumes all risk and liability resulting from this use of the product. The Manufacturer's sole responsibility shall be to replace that portion of the product the manufacturer proves to be defective. The Manufacturer shall not be liable to the buyer or any third party for injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an authorised officer of the manufacturer shall not be binding upon the manufacturer.