

The Installations of Cable Glands with Short or Long Connection Threads

There are many advantages of AVC cable glands, and one of them is the length of connection thread. For different thickness of panels and enclosures, AVC provides short and long connection thread in metric cable glands for customer's option and application.

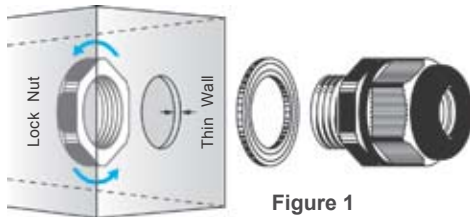


Figure 1

Short connection thread

(Figure 1) shows when the panel is made with thin wall & without threaded hole, you can choose a cable gland with short connection thread to install with lock nut (counter nut) onto panel to increase space from the inside panel and time saving.

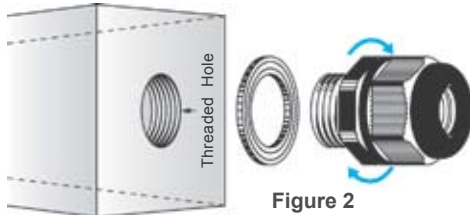


Figure 2

(Figure 2) shows if the mounting hole is female threaded, the installation is easy and time saving when you choose cable gland with short connection thread to connect with it.

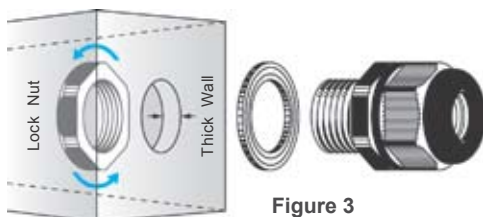


Figure 3

Long connection thread

(Figure 3) shows the thicker panel without threaded hole (e.g. Die Cast Units), AVC cable gland with a long connection thread will be the best choice to install it with lock nut (counter nut) onto the thicker panel. The reason why AVC choose Metric Thread Type for an expanded long connection thread as a second series of cable glands is because " Metric Entry " are widely adopted / applied in industrial field internationally.

The Installations and Options of A or B type Cable Glands

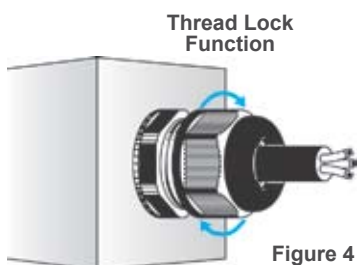


Figure 4

Over the past few decades in research and development, AVC has developed two series of super cable glands (Figure 4) : A-type and B-type. A-type was developed by AVC itself, through an unique patent design : the robust claw for strongest clamping strength, and the sealing insert with rim part for resistant to be took off by strong pull-out force and preventing cable abrasion from bending which are worked closely to achieve many outstanding cord-grip features. (Figure 5)

B-type is an Europe traditional design and AVC refined it by a whole new hooked claw to restrain sealing insert not to be took off by pull-out force and the insert with an sphere rim effect when tightened up can prevent cable abrasion from bending to achieve a another perfect patent. (Figure 6)

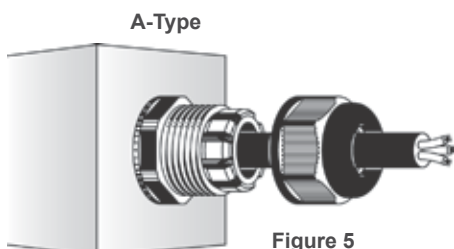


Figure 5

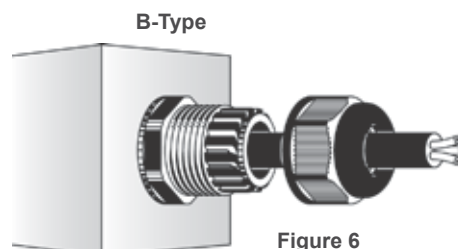


Figure 6

For your reference :

Either A or B type cable glands, all AVC cable glands can reach the highest strain relief & watertight performance and have gained great reputation among customers worldwide.

Performance of A-type in water protection is scored as 100 and clamping strength is scored as 101. It is recommended to use water protection within 50M depths and a very high clamping strength is required.

Performance of B-type in clamping strength is scored as 100 and water protection is scored as 101. It is recommended for water protection deeper than 50M depths.