Cable Gland â€“ Connectivity and Convenience

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There are many accessories that make up a working system that is worth its investment. And it takes many an accessory for the system to work to perfection. One such important piece of connecting device that serves as a vital interface is the cable gland. Known otherwise as a cable connector as well, the cable gland performs the important function of attaching and securing the connecting end of the cable to a device or equipment. The main function of the cable gland is to provide strain relief, connecting the cable to the intended equipment. The type of cable gland that you would have to use would depend on the kind of equipment and the type of connectivity that you aim to have, along with the type of cable at hand. Apart from its function in providing connectivity, the cable gland also comes in handy as a sealant when it comes to cables that pass through gland plates.

There are a variety of materials that could be used for manufacturing the cable gland â€“ there is the plastic cable gland, the brass cable gland, the aluminium cable gland and the steel cable gland. Each of these cable glands has its own applications and your choice has to be in line with the purpose that you are seeking the cable gland for. There is the NPT Cable gland that is made of UL approved Nylon 66 material, with colors including silver gray and black, predominantly used for outdoor applications. The cable gland is made to suit a wide range of clamping ranges, to be able to accommodate cables of different types. Along with its purpose of providing connectivity, there is also the function of providing dust and water-proof environment for the cable to perform.

There is also the right angled cable gland that is made as the same material as the NPT cable gland, with the variation that the angle is conveniently designed to enable the smooth passing and connectivity of the cable for specific circumstances. You could also weigh the alternatives that you have in terms of the metric cable gland and the PG Cable gland, which are made of Nylon, both suitable for outdoor applications. There are many dimensional features that you could work out to find the best fit of cable gland for your requirements, such as the color, thread size, the size of the mounting hole as well as the variable clamping range that would make it convenient for you to make the right buying decision for your needs.

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