

Technical Details

Industrial Brass Cable Glands

Cable glands are mechanical cable entry devices, which can be constructed from metallic or non-metallic materials, and are used throughout all industries in conjunction with cable and wiring used in electrical, instrumentation and automation systems.

Cable glands may be used on all types of electrical power, control, instrumentation, data and telecommunication cables. They are used as a sealing and terminating device to ensure that the characteristics of the enclosure which the cable enters can be maintained adequately.

Cable glands may provide environmental protection by sealing on the outer sheath, excluding dust and moisture from the electrical or instrument enclosure.

Cable glands may facilitate earth continuity in the case of armoured cables, when the gland has a metallic construction.

Cable glands may provide a holding force on the cable to ensure adequate levels of cable pull out resistance.

Cable glands may provide additional sealing on the part of the cable entering the enclosure, when a high degree of ingress protection is required.

Cable glands may provide additional environmental sealing of the cable entry point, maintaining the ingress protection rating of the enclosure with the selection of applicable accessories dedicated to performing his function.

When used in hazardous areas they are required to maintain the level of protection of the equipment to which they are attached.

Types of Cable Glands & Codes as per BS 6121 : Part 1 : 1989

Type	Definition
A1	For unarmoured cable with an elastomeric or plastic outer sheath, with sealing function between the cable sheath and the sealing ring of the cable gland
A2	As type A1, but with seal protection degree of IP66
B	No seal
C	Single outer seal
D	Single outer seal
E	Double (Inner & Outer) seal

Designation of cable armouring		Type of Industrial Cable Glands	
T	Pilable Wire Armour	A2	Cable Gland for unarmour cable with outer seal
W	Single Sire Armour	BW	Cable gland for SWA cable without seal
X	Braid	CW	Cable gland for SWA cable with Single seal
Y	Strip Armour	E1W	Cable gland for SWA cable with Double seal
Z	Tape Armour	CX	Cable gland for braided cable with Single seal