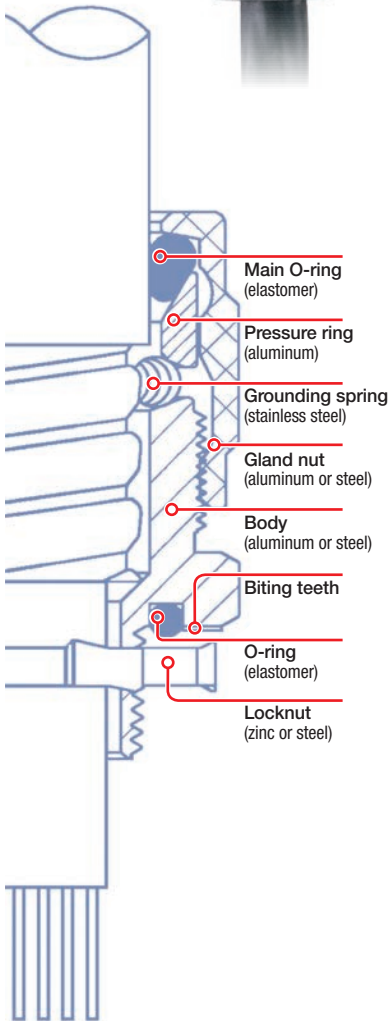


TEK™ Teck Cable Fittings

TEK™ Teck Cable Fittings have a wide array of industrial applications such as pulp and paper mills, chemical and petrochemical plants, refineries and power generation facilities. The fitting is designed to accommodate a wide range of cables provide a means to terminate at junction boxes, control centres, panel boards, and enclosures for motor control and electrical distribution equipment. The TEK™ forms a watertight seal around the cable and at the enclosure entry.



| Cat. No. | | Trade Size (in.) | Dia. Over Cable Jacket (in.) | | Gland Throat I.D. (in.) | Nut O.D. (in.) | Overall Length (in.) | Exposed Length (tightened) (in.) | Hex. Key Gland Nut (in.) |
|----------------|------------------|------------------|------------------------------|-------|-------------------------|----------------|----------------------|----------------------------------|--------------------------|
| Aluminum | Steel | | Min. | Max. | | | | | |
| CI-TEK-50-066 | CI-TEK-50-066-S | 1/2 | 0.500 | 0.660 | 0.390 | 1.250 | 2-5/8 | 1-3/4 | 1-3/16 |
| CI-TEK-50-079 | CI-TEK-50-079-S | | 0.620 | 0.790 | 0.500 | 1.375 | | | 1-5/16 |
| CI-TEK-50-092 | CI-TEK-50-092-S | | 0.750 | 0.920 | 0.620 | 1.500 | | | 1-7/16 |
| CI-TEK-75-105 | CI-TEK-75-105-S | 3/4 | 0.870 | 1.050 | 0.760 | 1.750 | 2-3/4 | 1-13/16 | 1-5/8 |
| CI-TEK-75-120 | CI-TEK-75-120-S | | 1.020 | 1.200 | 0.830 | 1.937 | | | 1-13/16 |
| CI-TEK-100-137 | CI-TEK-100-137-S | 1 | 1.180 | 1.370 | 1.030 | 2.375 | 2-7/8 | 2 | 2-1/4 |
| CI-TEK-125-157 | CI-TEK-125-157-S | 1-1/4 | 1.350 | 1.570 | 1.230 | 2.500 | 3-5/8 | 2-5/8 | 2-3/8 |
| CI-TEK-125-176 | CI-TEK-125-176-S | | 1.540 | 1.760 | 1.400 | 2.625 | | | 2-1/2 |
| CI-TEK-150-198 | CI-TEK-150-198-S | 1-1/2 | 1.730 | 1.980 | 1.590 | 3.000 | 4 | 2-7/8 | 2-3/4 |
| CI-TEK-200-220 | CI-TEK-200-220-S | 2 | 1.960 | 2.200 | 1.810 | 3.250 | 4-1/4 | 3-1/8 | 3 |
| CI-TEK-200-241 | CI-TEK-200-241-S | | 2.180 | 2.410 | 2.020 | 3.500 | | | 3-1/4 |
| CI-TEK-200-262 | CI-TEK-200-262-S | | 2.390 | 2.620 | 2.060 | 3.750 | | | 3-1/2 |
| CI-TEK-250-284 | CI-TEK-250-284-S | 2-1/2 | 2.600 | 2.840 | 2.400 | 5.000 | 6-7/16 | 5-1/4 | 4-1/2 |
| CI-TEK-300-306 | - | 3 | 2.820 | 3.060 | 2.620 | 5.625 | 6-3/4 | 5-1/2 | 5-1/4 |
| CI-TEK-300-328 | - | | 3.040 | 3.280 | 2.843 | 5.625 | | | |
| CI-TEK-300-350 | - | | 3.260 | 3.500 | 3.030 | 5.625 | | | |
| CI-TEK-400-371 | - | 4 | 3.480 | 3.710 | 3.230 | 6.500 | 7-1/8 | 5-3/4 | 6 |
| CI-TEK-400-392 | - | | 3.690 | 3.920 | 3.450 | 6.500 | | | |
| CI-TEK-400-413 | - | | 3.900 | 4.130 | 3.680 | 6.500 | | | |
| CI-TEK-400-433 | - | | 4.110 | 4.330 | 3.860 | 6.500 | | | |

Materials

TEK™ Teck Cable Fittings are machined from copper-free aluminum (0.4% or less), for single or multi-conductor cables, or machined from steel and then zinc plated, for multi conductor cables.

Sizes

TEK™ Teck Cable Fittings are available in 1/2 to 4-inch NPT trade sizes for cables with over jacket diameters ranging from 0.500 to 4.330 inches. Ranges overlap from one fitting to another, thus simplifying the choice.

Design

TEK™ Teck Cable Fittings incorporate the best design, materials and construction techniques. Each component is meticulously fabricated, inspected and assembled to meet the tightest possible tolerances. Compact diameter eases installation in confined areas.

Certifications

TEK™ Teck Cable Fittings are CSA certified for Class I (when used with an approved seal off fitting); Class II, Groups E, F & G; and Class III Hazardous Locations. Type 4 (Watertight). Fittings are clearly marked with a classification catalogue number and cable range. They are also certified for ACWU90, instrumentation, control and communication cables.

TEK™ Teck Cable Fittings

Parts and Components

- The fitting body has an integral bevelled armour stop to facilitate the cable insertion
- The internal components are held captive inside the gland nut. There are no loose parts.
- The main O-Ring is made of neoprene elastomer. It compresses against the outer jacket of the cable and assures the required water and dust tightness seal.
- The bonding coil is made of nonmagnetic stainless steel that surrounds the cable armour providing multipoint contact between the fitting body and cable armour. It assures the best bonding continuity of any existing Teck fitting on the market. The stainless steel prevents heat build-up on single conductor cables and also provides pullout resistance far exceeding CSA requirements.
- Steel fittings are supplied with steel locknuts. Aluminum fittings are supplied with zinc locknuts.



Installation Procedures

When using a single conductor cable, an aluminum fitting must be used.
TEK™ Teck Cable Fittings are easily installed, as no disassembly is required and there are no loose parts.



1 Install fitting on enclosure



2 Prepare cable



3 Slacken gland nut and insert prepared cable



4 Hand tighten gland nut to hold cable, then wrench tighten

| Quick Reference – Iberville® Teck Fittings | | |
|--|---------|--------------------------------|
| Cable Size | Voltage | TEK™ |
| 8/3 | 1000 | CI-TEK-75-105 |
| 8/4 | 1000 | CI-TEK-75-105 |
| 6/3 | 1000 | CI-TEK-75-120 |
| 6/4 | 1000 | CI-TEK-75-120 |
| 4/3 | 1000 | CI-TEK-100-137 |
| 3/3 | 1000 | CI-TEK-100-137 |
| 2/3 | 1000 | CI-TEK-100-137 |
| 1/3 | 1000 | CI-TEK-125-157 |
| 1/0/3 | 1000 | CI-TEK-125-176 |
| 2/0/3 | 1000 | CI-TEK-125-176 |
| 3/0/3 | 1000 | CI-TEK-150-198 |
| 4/0/3 | 1000 | CI-TEK-150-198 |
| 250/3 | 1000 | CI-TEK-200-220 |
| 300/3 | 1000 | CI-TEK-200-241 |
| 350/3 | 1000 | CI-TEK-200-241 |
| 400/3 | 1000 | CI-TEK-200-262 |
| 500/3 | 1000 | CI-TEK-250-284 |
| 600/3 | 1000 | CI-TEK-300-306 |
| 750/3 | 1000 | CI-TEK-300-328 |

| Quick Reference – Iberville® Teck Fittings | | |
|--|---------|--------------------------------|
| Cable Size | Voltage | TEK™ |
| 14/2 | 600 | CI-TEK-50-066 |
| 14/3 | 600 | CI-TEK-50-066 |
| 14/4 | 600 | CI-TEK-50-079 |
| 14/6 | 600 | CI-TEK-50-092 |
| 14/8 | 600 | CI-TEK-50-092 |
| 14/10 | 600 | CI-TEK-75-105 |
| 14/20 | 600 | CI-TEK-100-137 |
| 12/2 | 600 | CI-TEK-50-066 |
| 12/3 | 600 | CI-TEK-50-079 |
| 12/4 | 600 | CI-TEK-50-079 |
| 10/2 | 600 | CI-TEK-50-079 |
| 10/3 | 600 | CI-TEK-50-079 |
| 10/4 | 600 | CI-TEK-50-092 |