

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, providing a means to terminate at junction boxes, control centres, panel boards and enclosures for motor control and electrical distribution equipment. The TEK fitting forms a watertight seal around the cable and at the enclosure entry

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

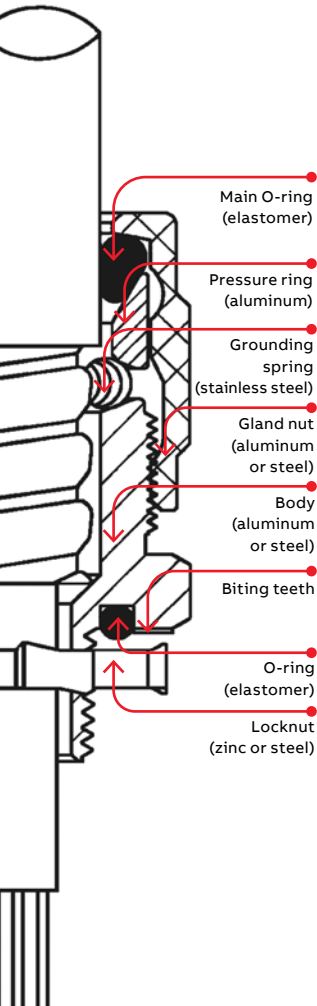
TEK Teck cable fittings are available in ½ to 4-inch NPT trade sizes for cables with over-jacket diameters ranging from 0.500 to 4.330 inches. Ranges overlap from one fitting to another, thus simplifying the choice.

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 and 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.



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.					
CITEK-50-066	CITEK-50-066-S	½	0.500	0.660	0.390	1.250	2⅝	1¾	1⅜
CITEK-50-079	CITEK-50-079-S	½	0.620	0.790	0.500	1.375	2⅝	1¾	1⅝
CITEK-50-092	CITEK-50-092-S	½	0.750	0.920	0.620	1.500	2⅝	1¾	1⅞
CITEK-75-105	CITEK-75-105-S	¾	0.870	1.050	0.760	1.750	2¾	1¾	1⅞
CITEK-75-120	CITEK-75-120-S	¾	1.020	1.200	0.830	1.937	2¾	1¾	1⅞
CITEK-100-137	CITEK-100-137-S	1	1.180	1.370	1.030	2.375	2⅞	2	2¼
CITEK-125-157	CITEK-125-157-S	1¼	1.350	1.570	1.230	2.500	3⅞	2⅞	2⅞
CITEK-125-176	CITEK-125-176-S	1¼	1.540	1.760	1.400	2.625	3⅞	2⅞	2⅞
CITEK-150-198	CITEK-150-198-S	1½	1.730	1.980	1.590	3.000	4	2⅞	2¾
CITEK-200-220	CITEK-200-220-S	2	1.960	2.200	1.810	3.250	4¼	3⅞	3
CITEK-200-241	CITEK-200-241-S	2	2.180	2.410	2.020	3.500	4¼	3⅞	3¼
CITEK-200-262	CITEK-200-262-S	2	2.390	2.620	2.060	3.750	4¼	3⅞	3½
-	CITEK-250-284-S	2½	2.600	2.840	2.400	5.000	6⅞	5¼	4½

TEK Teck cable fittings



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01 Install fitting
on enclosure

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02 Prepare cable

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03 Slacken gland nut and
insert prepared cable

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

Parts and components

- The fitting body has an integral bevelled armour stop to facilitate 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-tight 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.



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01



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02



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03



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04

Quick reference – Iberville® Teck fittings

Cable size	Voltage	TEK cat. no.
8/3	1,000	CITEK-75-105
8/4	1,000	CITEK-75-105
6/3	1,000	CITEK-75-120
6/4	1,000	CITEK-75-120
4/3	1,000	CITEK-100-137
3/3	1,000	CITEK-100-137
2/3	1,000	CITEK-100-137
1/3	1,000	CITEK-125-157
1/0/3	1,000	CITEK-125-176
2/0/3	1,000	CITEK-125-176
3/0/3	1,000	CITEK-150-198
4/0/3	1,000	CITEK-150-198
250/3	1,000	CITEK-200-220
300/3	1,000	CITEK-200-241
350/3	1,000	CITEK-200-241
400/3	1,000	CITEK-200-262
500/3	1,000	CITEK-250-284
600/3	1,000	CITEK-300-306
750/3	1,000	CITEK-300-328

Quick reference – Iberville® Teck fittings

Cable size	Voltage	TEK cat. no.
14/2	600	CITEK-50-066
14/3	600	CITEK-50-066
14/4	600	CITEK-50-079
14/6	600	CITEK-50-092
14/8	600	CITEK-50-092
14/10	600	CITEK-75-105
14/20	600	CITEK-100-137
12/2	600	CITEK-50-066
12/3	600	CITEK-50-079
12/4	600	CITEK-50-079
10/2	600	CITEK-50-079
10/3	600	CITEK-50-079
10/4	600	CITEK-50-092