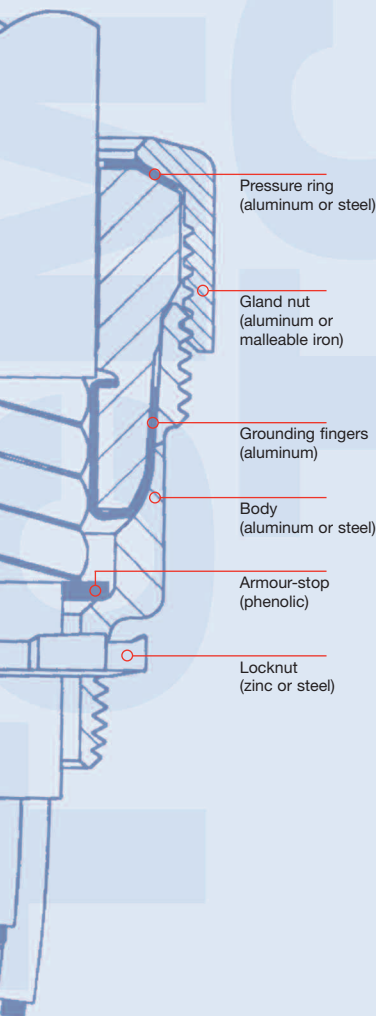


TCM™, TCA™ and TCS™ Teck Fittings

The TCM™, TCA™ and TCS™ Teck Fittings have been designed to simplify and accelerate the termination of jacketed metal and metal-clad cables. The fittings have a wide array of industrial applications and provide a means to terminate cables at junction boxes, control centres, panel boards, and enclosures for motor control and electrical distribution equipment. They form a dust and watertight seal around the cable.



Catalogue Number		Trade Size	KO Size	Dia. Over Cable Jacket		Throat	Dimension	
Malleable Iron	Aluminum			Min.	Max.		Gland Nut O.D.	Overall Length
<i>CI-TCS-50-071</i>	—	1/2	1/2	0.50	0.71	0.49	1 1/8	3 1/4
<i>CI-TCS-50-078</i>	—	1/2	1/2	0.70	0.78	0.49	1 1/8	3 1/4
<i>CI-TCM-50-063</i>	<i>CI-TCA-50-063</i>	1/2	1/2	0.50	0.63	0.38	1 11/16	2 1/2
<i>CI-TCM-50-078</i>	<i>CI-TCA-50-078</i>	1/2	1/2	0.62	0.78	0.49	1 11/16	2 1/2
<i>CI-TCM-50-089</i>	<i>CI-TCA-50-089</i>	1/2	1/2	0.76	0.89	0.58	1 11/16	2 1/2
<i>CI-TCM-50-098</i>	<i>CI-TCA-50-098</i>	1	1	0.87	0.98	0.58	1 11/16	2 1/2
<i>CI-TCM-75-106</i>	<i>CI-TCA-75-106</i>	3/4	3/4	0.90	1.06	0.75	2	2 3/4
<i>CI-TCM-75-118</i>	<i>CI-TCA-75-118</i>	3/4	3/4	1.04	1.18	0.83	2	2 3/4
<i>CI-TCM-100-135</i>	<i>CI-TCA-100-135</i>	1	1	1.16	1.35	1.00	2 1/4	3
<i>CI-TCM-125-151</i>	<i>CI-TCA-125-151</i>	1 1/4	1 1/4	1.33	1.51	1.18	2 13/16	3 1/4
<i>CI-TCM-125-167</i>	<i>CI-TCA-125-167</i>	1 1/4	1 1/4	1.49	1.67	1.35	2 13/16	3 1/4
<i>CI-TCM-125-182</i>	<i>CI-TCA-125-182</i>	1 1/4	1 1/4	1.65	1.82	1.40	2 13/16	3 1/4
<i>CI-TCM-150-192</i>	<i>CI-TCA-150-192</i>	1 1/2	1 1/2	1.73	1.92	1.50	3 3/8	3 1/2
<i>CI-TCM-150-208</i>	<i>CI-TCA-150-208</i>	1 1/2	1 1/2	1.90	2.08	1.62	3 3/8	3 1/2
<i>CI-TCM-200-231</i>	<i>CI-TCA-200-231</i>	2	2	2.06	2.31	1.89	3 7/8	4
<i>CI-TCM-200-250</i>	<i>CI-TCA-200-250</i>	2	2	2.28	2.50	2.06	3 7/8	4
<i>CI-TCM-250-268</i>	<i>CI-TCA-250-268</i>	2 1/2	2 1/2	2.48	2.68	2.37	4 7/8	5 5/8
<i>CI-TCM-250-284</i>	<i>CI-TCA-250-284</i>	2 1/2	2 1/2	2.66	2.84	2.50	4 7/8	5 5/8
<i>CI-TCM-250-300</i>	<i>CI-TCA-250-300</i>	2 1/2	2 1/2	2.82	3.00	2.50	4 7/8	5 5/8
—	<i>CI-TCA-300-322</i>	3	3	2.98	3.22	2.75	5 1/2	6 1/2
—	<i>CI-TCA-300-344</i>	3	3	3.20	3.44	3.00	5 1/2	6 1/2
—	<i>CI-TCA-300-365</i>	3	3	3.42	3.65	3.10	5 1/2	6 1/2
—	<i>CI-TCA-300-385</i>	3	3	3.63	3.85	3.10	5 1/2	6 1/2



Materials

The TCM and TCS fittings are made of malleable iron that is zinc galvanized to maximize corrosion resistance. The TCA fitting is machined from high quality extruded copper-free aluminum (less than 0.4% copper content).

Sizes

Standard trade sizes from 1/2 to 3 inches are available for use with cables that have outside jacket diameters of 0.62 to 3.85 inches.

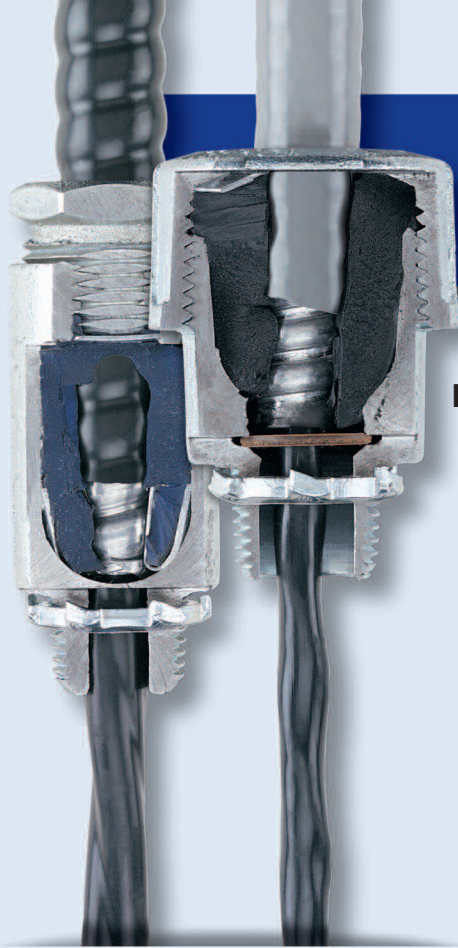
Design

TCM, TCA and TCS 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. These fittings provide a water and dust-tight installation due to the neoprene bushing that compresses itself around the cable's outer jacket. High ground fault current carrying capacity is provided by aluminum ground fingers that are embedded in the neoprene rubber bushing and make contact with the bare armour of the cable.

Certifications

The TCM, TCA and TCS fittings are CSA certified for Class II, Groups E, F & G; and Class III Hazardous Locations (File LR-51586).

Complies with IEC requirements for Class I, Zones 1 and 2, when used in combination with a certified Class I hazardous location sealing fitting.



Parts and Components

Body and Gland Nut: TCM and TCS fittings are made of malleable iron, zinc galvanized to maximum corrosion resistance. TCA fittings are made of copper-free aluminum (less than 0.4% copper content.)

Pressure Ring: It is made of galvanized steel or aluminum. It prevents distortion of the neoprene bushing when subjected to the tightening of the gland nut.

Neoprene Bushing: It has a durometer shore "A" scale hardness of 60. It provides a permanent seal around the outer cable jacket and will not crack when compressed or dry out when exposed to elevated temperatures.

Ground Fingers: They are made of aluminum and are embedded in the neoprene rubber bushing. They provide contact between the bare armour and the fitting body, ensuring high ground fault current carrying capacity.

Armour Stop: It is supplied installed when required. It is made of phenolic material with well-rounded smooth edges that prevent damage to the conductor installation.

Flange Gasket: It is optional and must be ordered separately. It provides a moisture seal regardless of whether the fitting is used with an enclosure, a box or a threaded hub.

Locknut: It is supplied with all TCA fittings and is made of aluminum.

Installation Procedures

TCM, TCA and TCS fittings are easily installed, as no disassembly of the fitting components is required during installation. The fittings are individually packaged in kit form with everything needed for installation.

Note: TCS Fittings should be used on "FSS" boxes and other applications where space is limited.

TCM/TCA



TCS

