

# Teck Cable Fittings

## Hazardous Locations — Class, Zone and Division Certifications

### Class I

#### I.E.C. Zone System

#### C.E.C. Division (pre-1998) System

	Watertight 10464 Series	StarTeck™ ST050 to ST400	StarTeck XP™ STX050 to STX400	StarTeck Extreme™ STE050 to STE200	StarTeck Extreme™ STE250 to STE400	StarTeck Extreme XP™ STEX050 to STEX400
<b>With Integral Seal</b>						
<b>Zone 1</b> <b>Groups IIC, IIB, IIA</b> <b>Division 1</b> <b>Groups A, B, C, D</b>	Not Certified	Not Certified	Certified	Not Certified	Not Certified	Certified
<b>Zone 2</b> <b>Groups IIC, IIB, IIA</b> <b>Division 2</b> <b>Groups A, B, C, D</b>	Not Certified	Not Certified	Certified	Not Certified	Not Certified	Certified
<b>With Class 1 HLA Sealing Fitting</b>						
<b>Zone 1</b> <b>Groups IIC, IIB, IIA</b> <b>Division 1</b> <b>Groups A, B, C, D</b>	Certified	Certified	Not required since certified with integral seal	Certified	Certified	Not required since certified with integral seal
<b>Zone 2</b> <b>Groups IIC, IIB, IIA</b> <b>Division 2</b> <b>Groups A, B, C, D</b>	Certified	Certified	Not required since certified with integral seal	Certified	Certified	Not required since certified with integral seal

### Classes II and III, Divisions 1 and 2

	Watertight 10464 Series	StarTeck™ ST050 to ST400	StarTeck XP™ STX050 to STX400	StarTeck Extreme™ STE050 to STE200	StarTeck Extreme™ STE250 to STE400	StarTeck Extreme XP™ STEX050 to STEX400
<b>Class II</b> <b>Divisions 1, 2</b> <b>Groups E, F, G</b>	Certified	Certified	Certified	Certified	Certified	Certified
<b>Class III</b> <b>Divisions 1, 2</b>	Certified	Certified	Certified	Certified	Certified	Certified
<b>Enclosure</b> <b>Type 6P</b> <b>(Immersion)</b>	Not Certified	Not Certified	Not Certified	Certified	Not Certified	Not Certified
<b>Enclosure</b> <b>Type 4</b> <b>(Watertight)</b>	Certified	Certified	Certified	Certified	Certified	Certified

### Comparison of Division and I.E.C. Zone Systems

Class 1	Division System	I.E.C. Zone System	Notes
Gases and Vapours	Division 1	Zone 0	Zone 0 locations are a small percentage of all hazardous locations.
		Zone 1	While the wiring practices and acceptable products differ, Class I, Division 1 locations encompass both Zones 0 and 1.
	Division 2	Zone 2	Zone 2 and Division 2 are essentially the same.

# Teck Cable Fittings

## Quick Reference



StarTeck™ (ST) Series



StarTeck XP™ (STX) Series



StarTeck Extreme™ (STE) Series



StarTeck Extreme XP™ (STEX) Series



10464 Series

Thomas & Betts Teck Fittings						
Cable Size	Voltage	StarTeck™ (p.12)	StarTeckXP™ (p.14)	StarTeck Extreme™ (p.16)	StarTeck Extreme XP™ (p.20)	Watertight 10464 Series (p.22)
14/2	600	ST050-464	STX050-464	STE050	STEX075	10464
14/3	600	ST050-464	STX050-464	STE050	STEX075	10464
14/4	600	ST050-464	STX050-464	STE050	STEX075	10464
14/6	600	ST050-465	STX075-465	STE050	STEX075	10465-TB
14/8	600	ST050-466	STX075-466	STE050	STEX075	10466
14/10	600	ST075-467	STX075-467	STE075	STEX075	10467
14/20	600	ST100-469	STX100-468	STE100	STEX100	10469
12/2	600	ST050-464	STX050-464	STE050	STEX075	10464
12/3	600	ST050-464	STX050-464	STE050	STEX075	10464
12/4	600	ST050-465	STX075-465	STE050	STEX075	10465-TB
10/2	600	ST050-464	STX050-464	STE050	STEX075	10464
10/3	600	ST050-465	STX050-465	STE050	STEX075	10465-TB
10/4	600	ST050-465	STX075-465	STE050	STEX075	10465-TB
8/3	1000	ST075-467	STX100-467	STE075	STEX100	10466
8/4	1000	ST075-467	STX100-467	STE075	STEX100	10467
6/3	1000	ST075-468	STX100-468	STE075	STEX100	10468
6/4	1000	ST100-469	STX125-469	STE100	STEX125	10468
4/3	1000	ST100-469	STX125-469	STE100	STEX125	10469
3/3	1000	ST100-469	STX125-469	STE100	STEX125	10469
2/3	1000	ST125-470	STX150-470	STE125	STEX125	10469
1/3	1000	ST125-550	STX150-550	STE125	STEX150	10470
1/0/3	1000	ST125-550	STX150-550	STE150	STEX150	10470
2/0/3	1000	ST150-472	STX200-472	STE150	STEX200	10471
3/0/3	1000	ST150-472	STX200-472	STE150	STEX200	10471
4/0/3	1000	ST200-551	STX200-473	STE200	STEX200	10472
250/3	1000	ST200-474	STX200-474	STE200	STEX250	10473
300/3	1000	ST200-474	STX200-474	STE200	STEX250	10474
350/3	1000	ST200-475	STX250-475	STE200	STEX250	10474
400/3	1000	ST250-477	STX250-475	STE250	STEX300	10475
500/3	1000	ST250-478	STX300-478	STE250	STEX300	10476
600/3	1000	ST300-479	STX300-479	STE300	STEX300	10477
750/3	1000	ST300-480	STX350-480	STE300	STEX350	10478

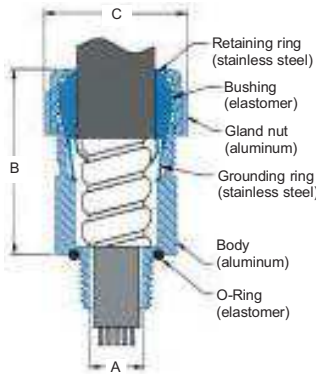
# Teck Cable Fittings

## StarTeck™ (ST) Series Fittings for Teck and ACWU Cable



StarTeck™ (ST) Series

StarTeck™ cable fittings are designed to accommodate a broad range of cables, thereby minimizing the possibility of mismatched cables and fittings in the field. They are available in hub sizes from 1/2 to 4 inches, and will handle outer jacket diameters from 0.525 to 4.340 inches.



Cat. No.	Hub Size NPT	Range Over Jacket (in.)		Dimensions (in.)		
		min.	max.	A	B*	C
ST038-461	3/2	0.344	0.535	0.344	2.020	0.995
ST050-462	1/2	0.525	0.650	0.395	2.020	1.224
ST050-464	1/2	0.600	0.760	0.485	2.020	1.363
ST050-465	1/2	0.725	0.885	0.612	2.133	1.633
ST050-466	1/2	0.825	0.985	0.612	2.133	1.633
ST075-467	3/4	0.880	1.065	0.819	2.450	2.080
ST075-468	3/4	1.025	1.205	0.819	2.450	2.080
ST100-469	1	1.187	1.375	1.039	2.601	2.230
ST125-470	1 1/4	1.350	1.625	1.182	3.282	2.824
ST125-550	1 1/4	1.500	1.625	1.370	3.282	2.824
ST125-471	1 1/4	1.600	1.875	1.370	3.282	2.824
ST150-472	1 1/2	1.700	1.965	1.557	3.620	3.260
ST150-473	1 1/2	1.900	2.187	1.600	3.620	3.260
ST200-551	2	1.900	2.187	1.715	3.640	3.620
ST200-474	2	2.100	2.375	1.995	3.640	3.620
ST200-475	2	2.300	2.565	2.057	3.640	4.020
ST200-476	2	2.500	2.750	2.057	3.640	4.020
ST250-477	2 1/2	2.380	2.640	2.230	4.700	4.750
ST250-478	2 1/2	2.580	2.840	2.430	4.700	4.750
ST300-479	3	2.790	3.060	2.630	4.700	5.050
ST300-480	3	3.000	3.270	2.860	4.790	5.480
ST300-481	3	3.210	3.480	3.032	4.790	5.480
ST350-482	3 1/2	3.420	3.690	3.260	4.790	5.980
ST350-483	3 1/2	3.610	3.870	3.430	4.790	5.980
ST400-484	4	3.810	4.030	3.590	4.840	6.435
ST400-485	4	3.965	4.185	3.745	4.840	6.435
ST400-486	4	4.120	4.340	3.900	4.840	6.435

\* Approximate dimension before installation.

### Materials

**Aluminum:** The above listed catalogue numbers relate to aluminum fittings. The body and gland nut on hub sizes 1/2 to 1 inch are machined from copper-free bar stock and 1 1/4 to 4 inches are made of cast copper-free aluminum.

**Steel:** To order a steel or malleable iron fitting, add the suffix "S" to the catalogue number (example ST050-464S). The body and gland nut on hub sizes 1/2 to 1 inch are made of steel and 1 1/4 to 4 inches are made of malleable iron. Plating is electro-deposited zinc.

**Stainless Steel:** To order a 316 stainless steel fitting, add the suffix "SS" to the catalogue number (example ST050-464SS). Only available for 1/2 thru 1 inch hub sizes.

**PVC-Coated Aluminum and Steel:** To order, add the suffix "PVC" to the catalogue number (example ST050-464PVC or ST050-464SPVC).

**Note -** When using fittings on single conductor cable, aluminum fittings and aluminum lock-nuts must be used.

### Certifications

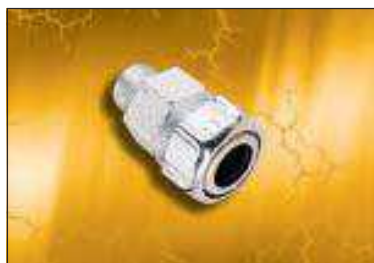
**Type HLA. CSA Certified Class II, Divisions 1 and 2, Groups E, F, and G; Class III and Enclosure Type 4, Classes I, II and III.** These fittings are suitable for Class I hazardous locations when used in combination with a certified Class I hazardous location sealing fitting. CSA File No. LR-23086.

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

**U.L. Listed Class I, Division 2; Class II, Division 2 and Class III.** Meets sealing requirements for types 4 and 6 enclosures. File no. E-38947. PVC-coated fittings are only approved for ordinary location areas (OLA).

# Teck Cable Fittings

## 10464 Series Watertight Fittings



Cat. No.	Hub Thread Size (in.)	Cable Jacket O.D.		Throat Dia. (in.)
		min.	max.	
10462*	1/2	0.562	0.625	0.615
10464	1/2	0.625	0.760	0.615
10465-TB	1/2	0.750	0.885	0.615
10466	1/2	0.875	0.985	0.615
10467	3/4	0.880	1.065	0.780
10468	3/4	1.055	1.205	0.780
10469	1	1.187	1.375	1.000
10470	1 1/4	1.375	1.625	1.187
10550	1 1/4	1.375	1.625	1.400
10471	1 1/4	1.625	1.875	1.400
10472	1 1/2	1.750	1.965	1.563
10473	1 1/2	1.937	2.187	1.621
10551	2	2.000	2.187	2.000
10474	2	2.156	2.360	2.000
10475	2	2.350	2.565	2.000
10552	2	2.350	2.565	2.092
10476	2	2.535	2.750	2.092
10553	2 1/2	2.535	2.750	2.437
10477	2 1/2	2.735	2.985	2.437
10478	2 1/2	2.970	3.220	2.437
10554	3	2.975	3.125	3.050
10555	3	3.080	3.250	3.050
10479	3	3.210	3.380	3.050
10480	3	3.310	3.480	3.050
10481	3 1/2	3.430	3.620	3.310
10482	3 1/2	3.560	3.750	3.310
10483	3 1/2	3.710	3.870	3.310
10484	4	3.810	4.000	3.560
10485	4	3.930	4.120	3.670
10486	4	4.060	4.250	3.800

**Note** - When using fittings on single conductor cable, aluminum fittings and aluminum lock-nuts must be used.

### Materials

**Malleable Iron:** The above listed catalogue numbers relate to malleable iron fittings with a protective grounding sleeve for jacketed metal-clad cable.

**Aluminum:** To order an aluminum fitting, add the suffix "AL" to the catalogue number (example 10465AL).

**PVC-Coated Aluminum and Steel:** Contact your Regional Sales Office for availability and ordering information.

### Certifications

**Type HLA. CSA Certified** Classes I, II and III. These fittings are suitable for Class I hazardous locations when used in combination with a certified Class I hazardous location sealing fitting. CSA File No. LR-23086.

**Type OLA. UL Listed.** These fittings are suitable for use with interlocked jacketed cable, aluminum or steel armor. UL File No. LR-38947.

\*Cat. No. 10462 not UL Listed