

TECK90

XLPE/PVC/AIA/PVC, Control and Power, Armored
1000 V, CSA TECK90, Four Conductor



Features:

- Rated at 90°C wet or dry
- Excellent crush, oil and chemical resistance
- Provides long service life
- Meets cold bend and impact tests at -40°C

Compliances:

- Industry Compliances:**
- CSA Standard C22.2 No. 131 and No. 174
- Flame Test Compliances:**
- CSA FT1 and FT4
 - IEEE 383 (70,000 BTU/hr)
 - UL 1581 (70,000 BTU/hr)
 - IEEE 1202 (70,000 BTU/hr) CSA FT4
 - ICEA T-30-520 (70,000 BTU/hr)

- Other Compliances:**
- Hazardous Location Rating: HL
 - EPA 40 CFR, Part 261 for leachable lead content per TCLP method
 - OSHA Acceptable
 - RoHS Compliant

Packaging:

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

Product Construction:

Conductor:

- 14 AWG thru 8 AWG bare copper Class B compressed concentric round to ASTM B8
- 6 AWG thru 1000 kcmil bare copper compact Class B strand

Insulation:

- Cross-linked Polyethylene (XLPE), Type RW90
- Color-coded: 14 AWG to 2 AWG—black, red, blue and white; 1 AWG to 1000 kcmil—printed numbers

Ground (Bonding) Conductor:

- The conductor consists of one uninsulated stranded bare copper conductor

Inner Jacket:

- Lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

Armor:

- Aluminum Interlocked Armor (AIA)

Overall Jacket:

- Lead-free, ACID-FLAME-CHECK ✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

Print:

- GENERAL CABLE® ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL TECK90 XLPE (-40°C) 4/C SIZE (AWG OR KCMIL) 1000 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

Options:

- Galvanized Steel Interlocked Armor (GSIA)

Applications:

- For exposed and concealed wiring in dry, damp or wet locations
- For use in ventilated, non-ventilated and ladder-type cable trays in dry, damp or wet locations
- For direct earth burial (with protection as required by inspection authority)
- For wiring in all hazardous locations when used with certified HL cable glands

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG)	MIN. AVG. INS. THICKNESS		NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ARMOR				AMPACITY** (30°C AMBIENT)
						INSULATION		ARMOR		CABLE		LBS/1000 FT	kg/km	LBS/1000 FT		kg/km		
						INCHES	mm	INCHES	mm	INCHES	mm			INCHES	mm	AL	STEEL	
14 AWG THRU 1000 kcmil—FOUR CONDUCTOR—1000 V																		
321940*	4	14	14	.045	1.14	0.17	4.2	0.72	18.3	0.80	20.3	68	101	290	440	430	660	25
793180*	4	12	14	.045	1.14	0.18	4.6	0.79	20.1	0.88	22.4	96	143	357	521	531	776	30
793160*	4	10	12	.045	1.14	0.21	5.3	0.85	21.6	0.93	23.6	150	223	455	632	677	941	40
331250	4	8	10	.045	1.14	0.24	6.1	0.92	23.4	1.00	25.4	241	359	548	736	816	1096	55
11288.030600	4	6	8	.060	1.52	0.31	7.8	1.15	29.2	1.25	31.8	383	570	907	1261	1350	1877	75
11288.020400	4	4	8	.060	1.52	0.35	8.8	1.26	32.0	1.35	34.3	579	862	1168	1558	1738	2319	95
11288.020300	4	3	6	.060	1.52	0.38	9.8	1.31	33.3	1.40	35.6	748	1113	1373	1782	2043	2652	115
11288.020200	4	2	6	.060	1.52	0.42	10.5	1.37	34.8	1.46	37.1	919	1368	1583	2013	2356	2996	130
11288.040100	4	1	6	.080	2.03	0.49	12.5	1.60	40.6	1.72	43.7	1128	1679	2032	2551	3024	3796	145
11288.025100	4	1/0	6	.080	2.03	0.53	13.5	1.69	42.9	1.81	46.0	1398	2081	2365	2914	3520	4336	170
11288.025200	4	2/0	6	.080	2.03	0.58	14.8	1.79	45.5	1.91	48.5	1742	2593	2745	3331	4085	4957	195
11288.025300	4	3/0	4	.080	2.03	0.63	15.9	1.91	48.5	2.03	51.6	2223	3308	3398	4135	5057	6153	225
11288.045400	4	4/0	4	.080	2.03	0.69	17.5	2.09	53.1	2.21	56.1	2769	4121	4170	4983	6205	7415	260
11288.046000	4	250	4	.090	2.29	0.75	19.2	2.23	56.7	2.35	59.7	3249	4835	4789	5661	7126	8424	290
11288.026200	4	350	3	.090	2.29	0.86	21.7	2.46	62.5	2.60	66.0	4528	6738	6307	7264	9385	10809	350
11288.036500*	4	500	3	.090	2.29	0.99	25.0	2.76	70.1	2.90	73.7	6395	9516	8438	9515	12556	14159	430
11288.057000*	4	750	2	.090	2.29	1.16	29.4	3.24	82.3	3.42	86.9	9564	14232	12411	13683	18468	20360	535
11288.037500*	4	1000	1	.090	2.29	1.31	33.2	3.65	92.7	3.84	97.6	12885	19173	15800	23510	23500	34968	615

Dimensions and weights are nominal; subject to industry tolerances.

*Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

**Ampacity is based on CE Code Part 1, Table 2 (Three conductors in raceway [conduit]) and Rule 4-004.

Ampacity of 4 conductor cable is based on 3 current-carrying conductors and 1 neutral.

