

TECK90

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

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 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 $\sqrt{V}^{\circ}$ AG14 flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

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

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 1202 (70,000 BTU/hr) CSA FT4

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

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		
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/ km	AL	STEEL	AL	STEEL	
14 AWG THRU 1000 kcmil—TWO CONDUCTOR—1000 V																		
794520*	2	14	14	0.045	1.14	0.17	4.2	0.65	16.5	0.73	18.5	39	58	219	350	326	521	25
308550*	2	12	14	0.045	1.14	0.18	4.6	0.71	18.0	0.80	20.3	54	80	245	386	364	574	30
793140*	2	10	12	0.045	1.14	0.21	5.3	0.76	19.3	0.85	21.5	86	128	293	446	436	663	40
331260*	2	8	10	0.045	1.14	0.24	6.0	0.85	21.5	0.94	23.8	137	203	390	564	581	839	55
11206.332083*	2	6	8	0.060	1.52	0.29	7.4	0.96	24.4	1.05	26.7	217	323	522	729	777	1085	75
11288.040400*	2	4	8	0.060	1.52	0.34	8.6	1.06	26.9	1.15	29.1	315	469	722	1019	1074	1516	95
11288.220300*	2	3	6	0.060	1.52	0.38	9.7	1.15	29.2	1.23	31.2	415	618	905	1239	1347	1844	115
11288.040200*	2	2	6	0.060	1.52	0.42	10.7	1.20	30.5	1.28	32.5	502	747	1030	1380	1533	2053	130
11288.020100*	2	1	6	0.080	2.03	0.47	11.9	1.36	34.5	1.45	36.8	611	909	1189	1582	1769	2353	145
11288.045100*	2	1/0	6	0.080	2.03	0.53	13.5	1.45	36.8	1.53	38.9	740	1101	1425	1854	2120	2759	170
11288.045200*	2	2/0	6	0.080	2.03	0.58	14.7	1.50	38.1	1.58	40.1	922	1372	1660	2107	2470	3135	195
11288.045300*	2	3/0	4	0.080	2.03	0.60	15.2	1.66	42.2	1.77	45.1	1188	1768	1924	2487	2862	3701	225
11288.145400*	2	4/0	4	0.080	2.03	0.69	17.5	1.70	43.2	1.79	45.5	1466	2182	2350	2862	3497	4259	260
11288.226000*	2	250	4	0.090	2.29	0.75	19.1	1.84	46.7	1.93	49.0	1709	2543	2779	3332	4135	4958	290
11288.226200*	2	350	3	0.090	2.29	0.86	21.8	2.09	53.1	2.18	55.4	2373	3561	3650	4285	5431	6376	350
11288.226500*	2	500	3	0.090	2.29	0.99	25.1	2.33	59.2	2.45	62.2	3316	4935	4895	5607	7284	8343	430
11288.227000*	2	750	2	0.090	2.29	1.16	29.5	2.67	67.8	2.79	70.9	4941	7353	6872	7695	10226	11450	535
11288.227500*	2	1000	1	0.090	2.29	1.31	33.3	2.98	75.7	3.10	78.8	6562	9766	8993	10376	13382	15439	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.