

TECK90

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

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 ✓[®] flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

Print:

- GENERAL CABLE[®] ACID-FLAME-CHECK ✓[®] AG14 FT1 FT4 HL TECK90 XLPE (-40°C) 2/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

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	
14 AWG THRU 1000 kcmil—TWO CONDUCTOR—1000 V																		
794520*	2	14	14	.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	.045	1.14	0.18	4.6	0.69	17.6	0.77	19.6	55	82	255	412	380	613	30
793140*	2	10	12	.045	1.14	0.21	5.3	0.73	18.5	0.81	20.6	86	128	291	441	433	657	40
331260*	2	8	10	.045	1.14	0.24	6.1	0.82	20.8	0.90	22.9	137	204	392	564	584	840	55
11206.332083*	2	6	8	.060	1.52	0.31	7.8	0.94	23.9	1.02	25.9	215	320	556	758	827	1128	75
11288.040400*	2	4	8	.060	1.52	0.35	8.8	1.07	27.2	1.16	29.5	312	464	744	1052	1107	1565	95
11288.220300*	2	3	6	.060	1.52	0.38	9.8	1.15	29.2	1.23	31.3	415	618	905	1239	1347	1844	115
11288.040200*	2	2	6	.060	1.52	0.42	10.5	1.20	30.5	1.28	32.5	502	747	1030	1380	1533	2054	130
11288.020100*	2	1	6	.080	2.03	0.49	12.5	1.34	34.0	1.42	36.1	612	911	1235	1630	1838	2425	145
11288.045100*	2	1/0	6	.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	.080	2.03	0.58	14.8	1.50	38.1	1.58	40.1	922	1372	1660	2107	2470	3135	195
11288.045300*	2	3/0	4	.080	2.03	0.63	15.9	1.59	40.4	1.69	42.9	1190	1771	1995	2471	2969	3677	225
11288.145400*	2	4/0	4	.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	.090	2.29	0.75	19.2	1.84	46.8	1.93	49.0	1709	2543	2779	3332	4135	4958	290
11288.226200*	2	350	3	.090	2.29	0.86	21.7	2.09	53.1	2.18	55.4	2373	3561	3650	4285	5431	6376	350
11288.226500*	2	500	3	.090	2.29	0.99	25.0	2.33	59.2	2.45	62.2	3316	4935	4895	5607	7284	8343	430
11288.227000*	2	750	2	.090	2.29	1.16	29.4	2.67	67.8	2.79	70.9	4941	7353	6872	7695	10226	11450	535
11288.227500*	2	1000	1	.090	2.29	1.31	33.2	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.



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