

# TECK90

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



**Features:**

- Rated at 90°C wet or dry
- Excellent crush resistance, 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

**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 and blue; 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) 3/C SIZE (AWG OR KCMIL) 1000 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

**Options:**

- Galvanized Steel Interlocked Armor (GSIA)
- Other constructions available upon request

**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	LBS/1000 FT		kg/km			
						INCHES	mm	INCHES	mm	INCHES	mm			AL.	STEEL	AL.	STEEL		
<b>14 AWG THRU 1000 kcmil—THREE CONDUCTOR—1000 V</b>																			
330520*	3	14	14	.045	1.14	0.17	4.2	0.67	17.0	0.76	19.3	52	77	261	398	388	592	15	
780260	3	12	14	.045	1.14	0.18	4.6	0.72	18.3	0.80	20.3	75	112	299	445	445	662	20	
331120	3	10	12	.045	1.14	0.21	5.3	0.79	20.1	0.88	22.4	124	185	374	539	557	802	30	
793200	3	8	10	.045	1.14	0.24	6.1	0.86	21.9	0.94	23.9	189	281	486	666	723	991	45	
11288.010600	3	6	8	.060	1.52	0.31	7.8	1.03	26.2	1.13	28.7	300	447	724	836	1078	1244	65	
11288.010400	3	4	8	.060	1.52	0.35	8.8	1.16	29.5	1.25	31.8	447	665	970	1327	1444	1975	85	
11288.010300	3	3	6	.060	1.52	0.38	9.8	1.22	31.0	1.30	33.0	582	866	1136	1509	1691	2246	105	
11288.010200	3	2	6	.060	1.52	0.42	10.5	1.28	32.5	1.37	34.8	710	1056	1311	1702	1951	2533	120	
11288.010100	3	1	6	.080	2.03	0.49	12.5	1.44	36.6	1.54	39.1	866	1288	1593	2045	2371	3043	140	
11288.015100	3	1/0	6	.080	2.03	0.53	13.5	1.56	39.6	1.68	42.7	1069	1590	1906	2389	2837	3555	155	
11288.015200	3	2/0	6	.080	2.03	0.58	14.8	1.65	41.9	1.77	45.0	1327	1974	2225	2732	3311	4066	185	
11288.015300	3	3/0	4	.080	2.03	0.63	15.9	1.75	44.5	1.87	47.5	1670	2485	2666	3261	3967	4853	210	
11288.015400	3	4/0	4	.080	2.03	0.69	17.5	1.86	47.2	1.98	50.3	2109	3138	3207	3806	4772	5664	235	
11288.016000	3	250	4	.090	2.29	0.75	19.2	2.05	52.1	2.17	55.1	2470	3675	3800	4513	5655	6716	265	
11288.016200	3	350	3	.090	2.29	0.86	21.7	2.26	57.4	2.40	61.0	3437	5114	4979	5906	7409	8789	325	
11288.016500	3	500	3	.090	2.29	0.99	25.0	2.52	64.0	2.66	67.6	4839	7200	6586	7627	9798	11349	395	
11288.017000*	3	750	2	.090	2.29	1.16	29.4	2.89	73.4	3.03	77.0	7225	10751	9267	10470	13790	15580	500	
11288.017500*	3	1000	1	.090	2.29	1.31	33.2	3.28	83.3	3.44	87.4	9612	14303	12184	13566	18130	20187	585	

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.

