

# TECK90

TRXLPE/PVC/AIA/PVC, Power, Unshielded, Armored  
5 kV, CSA TECK90, Three Conductor

**Product Construction:**

**Conductor:**

- 6 AWG thru 1000 kcmil bare copper compact Class B strand

**Strand Shield:**

- A thermoset semi-conducting shield is extruded over the conductor

**Insulation:**

- Tree-Retardant Cross-linked Polyethylene (TRXLPE), Type RW90
- Color-coded: Black with 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:**

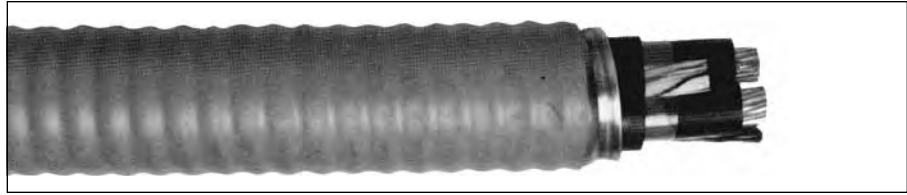
- Aluminum Interlocked Armor (AIA)

**Overall Jacket:**

- Lead-free, ACID-FLAME-CHECK ✓✓<sup>®</sup> AG14 flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), orange

**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 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)

**Compliances (cont'd.):**

**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)	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>6 AWG THRU 1000 kcmil—THREE CONDUCTOR—UNSHIELDED—90 MILS INS. (2.29 mm)—5 kV</b>																
17496.020600	3	6	8	0.39	10.0	1.27	32.3	1.37	34.8	301	448	927	1340	1380	2000	75
17496.020400	3	4	8	0.43	10.5	1.37	34.8	1.47	37.4	442	658	1138	1590	1694	2370	95
17496.010300*	3	3	6	0.46	11.7	1.42	36.1	1.52	38.6	583	868	1310	1780	1950	2640	115
17496.020200	3	2	6	0.49	12.5	1.49	37.9	1.59	40.4	703	1046	1476	1980	2197	2940	130
17496.020100*	3	1	6	0.52	13.3	1.59	40.4	1.69	43.0	970	1444	1752	2230	2607	3350	145
17496.025100	3	1/0	6	0.56	14.2	1.67	42.4	1.77	45.0	1082	1610	2012	2540	2994	3780	170
17496.025200	3	2/0	6	0.60	15.2	1.76	44.7	1.86	47.3	1343	1999	2334	2880	3473	4290	195
17496.035300*	3	3/0	4	0.64	16.3	1.87	47.5	1.97	50.1	1720	2560	2835	3370	4219	5010	225
17496.025400	3	4/0	4	0.70	17.8	1.98	50.3	2.08	52.9	2315	3445	3328	4090	4952	6090	260
17496.056000	3	250	4	0.75	19.1	2.15	54.6	2.25	57.2	2469	3674	3910	4780	5819	7110	290
17496.026200	3	350	3	0.85	21.5	2.36	60.0	2.49	63.3	3476	5173	5102	6100	7592	9070	350
17496.046500	3	500	3	0.97	24.6	2.62	66.6	2.75	69.9	4837	7198	6721	7880	10001	11720	430
17496.077000	3	750	2	1.15	29.2	3.01	76.5	3.14	79.8	7224	10750	9469	11750	14090	17480	535
17496.017500*	3	1000	1	1.30	33.0	3.39	86.1	3.54	89.9	9715	14458	13790	15220	20520	22650	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.