

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

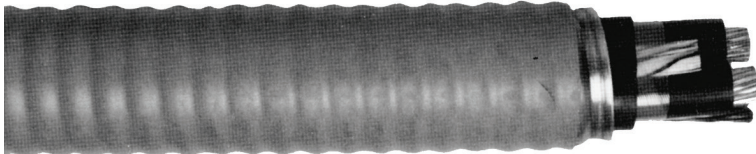
- Ground (Bonding) Conductor:
- The conductor consists of one uninsulated stranded bare copper conductor

- 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 $\sqrt{v}$ ® 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 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

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		
			INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/ km	AL	STEEL	AL	STEEL	
6 AWG THRU 1000 kcmil—THREE CONDUCTOR—UNSHIELDED—90 MILS INS. (2.29 mm)—5 kV															
3	6	8	0.39	9.9	1.27	32.1	1.35	34.4	300	446	885	1248	1317	1857	75
3	4	8	0.44	11.0	1.36	34.5	1.45	36.8	447	665	1077	1469	1602	2186	95
3	3	6	0.46	11.7	1.42	36.1	1.52	38.6	583	868	1310	1780	1949	2649	115
3	2	6	0.49	12.5	1.48	37.6	1.57	39.8	710	1056	1409	1840	2097	2738	130
3	1	6	0.52	13.2	1.59	40.4	1.69	42.9	970	1443	1752	2230	2607	3318	145
3	1/0	6	0.56	14.2	1.67	42.3	1.77	45.0	875	1302	1914	2430	2847	3615	170
3	2/0	6	0.60	15.3	1.76	44.7	1.87	47.4	1340	1994	2237	2785	3329	4144	195
3	3/0	4	0.65	16.5	1.86	47.3	1.97	50.0	1717	2554	2695	3341	4010	4972	225
3	4/0	4	0.70	17.7	1.96	49.9	2.07	52.6	2130	3169	3165	3850	4709	5729	260
3	250	4	0.75	19.0	2.14	54.3	2.24	57.0	2494	3711	3771	4522	5611	6729	290
3	350	3	0.84	21.4	2.34	59.4	2.47	62.7	3471	5164	4891	5719	7278	8510	350
3	500	3	0.96	24.5	2.60	66.0	2.73	69.3	4884	7268	6489	7417	9656	11037	430
3	750	2	1.15	29.2	3.01	76.5	3.14	79.8	7224	10750	9469	11750	14090	17480	535
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.