



POWER KABEL INC.

TECK90-HL 5KV
3C ALUMINUM NON SHIELDED TRXLPE INSULATION ALUMINUM ARMOR OVERALL PVC JACKET CSA (-40°C) FT4

APPLICATIONS & FEATURES:

CSA approved armoured cable for industrial and commercial medium voltage applications. FT4, -40C, HL, AG14 and 90°C rated for use in harsh Canadian environments. Rated for installation in cable trays, duct banks, direct burial, troughs, hazardous locations, continuous rigid cable supports, and is concrete encaseable

INDUSTRY COMPLIANCES

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| CSA C22.2 No. 131 Type TECK 90 Cable | CSA SUN RES - for Sunlight Resistant rating |
| CSA C22.2 No. 174 Cables in Hazardous Locations | CSA AG14 - Acid Gas Compliance |
| CSA C22.2 No. 2556 & No. 0.3 Wire and Cable Test Methods | ICEA S-96-659 (NEMA WC 71) 2001-5000 V Nonshielded Cables |
| CSA LTGG [-40°C] - as per C68.10 - for Cold Bend and Impact rating | IEEE 383 Flame Test (70,000 btu) |
| CSA HL - for Hazardous Locations rating | IEEE 1202 FT4 Flame Test (70,000) BTU/hr Vertical Tray Test |
| FT1 Flame Test (1,706 BTU/Hr nominal - Vertical Wire Flame Test) | |

CONSTRUCTION

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|-----------------------------|---|
| CONDUCTOR: | Class B compact stranded 8000 Series Aluminum ACM, in accordance with ASTM B801 |
| Conductor Shield: | Extruded semi-conducting thermosetting polymeric layer |
| Insulation: | TRXLPE (cross-linked polyethylene), Thickness: 0.090" (2.3 mm) - nominal, 90°C |
| Grounding Conductor: | Class B compact stranded 8000 Series, Bare Aluminum |
| Binder: | Polypropylene tape |
| INNER JACKET: | Black PVC, Thickness: No. 2 AWG to No. 3/0 AWG = 0.080" (2.0 mm); No. 4/0 AWG to 500 kcmil = 0.110" (2.8 mm); 750 kcmil to 1000 kcmil = 0.140" (3.6 mm) |
| ARMOR: | Aluminum Interlocked Armor |
| OUTER JACKET: | Orange PVC, Thickness: No. 2 AWG to 250 kcmil = 0.060"; 350 kcmil to 750 kcmil = 0.075"; 1000 kcmil = 0.090" |

AWG SIZE & STRANDS	Thickness Of Insulation (mils)	Diameter Over Insulation	Ground Size (AWG)	Cable Diameters Over (inches)			Net Wt. (Lbs/Mft)
				Conductor	Armor	Outer Jacket	
2-7 str	90	0.488	6	0.268	1.54	1.62	938
1-19str	90	0.517	4	0.299	1.61	1.72	1091
1/0-19str	90	0.554	4	0.336	1.69	1.8	1206
2/0-19str	90	0.594	4	0.376	1.78	1.89	1339
3/0-19str	90	0.641	4	0.423	1.88	1.99	1505
4/0-19str	90	0.693	4	0.475	1.99	2.1	1703
250-37str	90	0.746	2	0.52	2.17	2.28	2111
350-37str	90	0.842	2	0.616	2.38	2.52	2622
500-37str	90	0.972	1	0.736	2.66	2.8	3305
750-61str	90	1.144	1/0	0.908	3.03	3.17	4331
1000-61str	90	1.3	1/0	1.06	3.42	3.58	5553

All values are nominal and subject to correction.