



POWER KABEL INC.

TECK90—HL 5KV
1C COPPER 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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| ASTM B3 Standard Specification for Soft or Annealed Copper Wire | CSA LTGG [-40°C] - as per C68.10 - for Cold Bend and Impact rating |
| ASTM B8 Concentric-Lay-Stranded Copper Conductors | CSA HL - for Hazardous Locations rating |
| 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 |
| IEEE 383 Flame Test (70,000 btu) | IEEE 383 Flame Test (70,000 btu) |
| 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

CONDUCTOR:	Class B stranded copper, compressed or compact, in accordance with ASTM B3 and B8
CONDUCTOR SHIELD	Extruded semi-conducting thermosetting polymeric layer
INSULATION:	TRXLPE (tree retardant cross linked polyethylene)
CONCENTRIC CONDUCTORS:	Class B, concentric bare copper wire serve
BINDER:	Polypropylene tape
INNER JACKET:	Black PVC, Thickness: No. 2 AWG to No. 1/0 AWG = 0.045" , No. 2/0 AWG to 1000 kcmil = 0.060"
ARMOR:	Aluminum Interlocked Armor
OUTER JACKET:	Orange PVC , Thickness: No. 2 AWG to 400 kcmil = 0.045" , 500kcmil to 1000 kcmil = 0.055"

AWG SIZE & STRANDS	THICKNESS OF INSULATION	DIAMETER OVER INSULATION	CONCENTRIC NEUTRAL (No x AWG)	Cable Diameters (inches)			Net Wt. (Lbs/Mft)
				Conductor	Armor	Outer Jacket	
2-7 str	90	0.49	7x14	0.28	1.03	1.12	644
1-19str	90	0.53	11x14	0.32	1.08	1.17	793
2/0-19str	90	0.62	11x14	0.41	1.16	1.25	962
4/0-19str	90	0.72	13x14	0.51	1.28	1.39	1331
300-37str	90	0.83	17x14	0.61	1.4	1.49	1704
400-37str	90	0.93	21x14	0.71	1.49	1.58	2115
600-37str	90	1.1	17x12	0.87	1.7	1.81	2948
1000-61str	90	1.35	21x12	1.12	2.0	2.11	4466

All values are nominal and subject to correction.