



POWER KABEL INC.

TECK90-HL 1KV
 1C COPPER NON-SHIELDED XLP POWER CABLE ALUM ARMOR OVERALL PVC JACKET CSA (-40°C)

APPLICATIONS & FEATURES:

Approved for Industrial and Commercial 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 concrete encaseable. CSA AG14 Acid Gas compliance.

INDUSTRY COMPLIANCES

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 AG14 - Acid Gas Compliance
CSA C22.2 No. 174 Cables in Hazardous Locations	ICEA S-96-659 (NEMA WC 71) 2001-5000 V Nonshielded Cables
CSA C22.2 No. 2556 & No. 0.3 Wire and Cable Test Methods	IEEE 1202 FT4 Flame Test (70,000) BTU/hr Vertical Tray Test, FT1 Flame Test

CONSTRUCTION

CONDUCTOR:	Class B stranded compressed copper in accordance with ASTM B3 and ASTM B8
INSULATION:	XLPE (Cross Linked Polyethylene), Minimum Average Thickness: 4/0 = 0.08 inches (2.03 mm), 250 kcmil to 1000 kcmil = 0.090 inches (2.3 mm), 90°C
CONCENTRIC CONDUCTORS:	Class B, concentric bare copper wire serve
BINDER:	Polypropylene Separator
INNER JACKET:	Black PVC, Minimum average thickness - 4/0 = 0.050" (1.27mm), 250 kcmil to 1000 kcmil = 0.060" (1.5 mm)
ARMOR:	Aluminum Interlocked Armor
OUTER JACKET:	Low acid gas, flame-retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC), black

AWG SIZE	Number of CONDUCTORS	INSULATION THICKNESS (MIL)	CONCENTRIC NEUTRAL (NO X AWG)	CABLE DIAMETERS (inches)			Net Wt. (Lbs/Mft)
				CONDUCTOR	INSULATION	ARMOR	
4/0	1	90	13X14	1.541	1.841	1.946	1271
250	1	90	17X14	1.742	2.042	2.147	1497
350	1	90	21X14	1.847	2.147	2.252	1905
500	1	90	17X12	1.961	2.261	2.392	2558
750	1	90	21X12	2.039	2.339	2.47	3551
1000	1	90	21X12	2.206	2.506	2.637	4462

All values are nominal and subject to correction.