



POWER KABEL INC.

TECK90-HL 1KV
2C ALUM XLP INSULATION ALUMINUM ARMOR OVERALL PVC JACKET CSA (-40°C) FT4

APPLICATIONS:

For exposed or concealed wiring in wet or dry locations. For use in ventilated, non-ventilated and ladder type cable troughs and ventilated flexible cableway in wet, dry, hazardous locations or direct buried. Sunlight Resistant. Typical applications are for control, lighting and power circuits in: pulp and paper mills, steel mills, food processing plants, commercial centers, mines, generating stations, refineries, industrial plants and chemical plants. AG14 - Acid Gas Compliance. Voltage 1000V CSA / 600V UL.

FEATURES

Rated at 90°C wet or dry, Excellent crush resistance. Provides long service life, cost effective alternative to installations in conduit. Meets cold bend and impact tests at (-40°C)

INDUSTRY COMPLIANCES

ASTM B800 8000 Series Aluminum Alloy Wire	CSA LTGG [-40°C] as per C68.10 - for Cold Bend and Impact rating
CSA C22.2 No. 131 Type TECK 90 Cable	CSA HL - for Hazardous Locations rating
CSA C22.2 No. 174 Cables in Hazardous Locations	CSA SUN RES - for Sunlight Resistant rating
CSA C22.2 No. 2556 & No. 0.3 Wire and Cable Test Methods	CSA AG14 - Acid Gas Compliance
IEEE 1202 FT4 Flame Test (70,000) BTU/hr Vertical Tray Test	CSA AWM IB 105°C 600V. FT4-ST1

CONSTRUCTION

CONDUCTORS:	6 AWG. Thru 750 kcmil, aluminum (8000 series) compact class "B" strand strand
INSULATION:	Cross-linked Polyethylene (XLPE) Type RW90
GROUND CONDUCTOR:	Uninsulated Aluminum Class B stranded grounding conductor
ASSEMBLY:	Oil Impregnated Kraft Paper Binder
INNER JACKET:	Polyvinyl Chloride (PVC), black
ARMOR:	Aluminum Interlocked Armor
OUTER JACKET:	Low acid gas, flame-retardant, moisture and sunlight resistant PVC, Black

AWG & STDS	Number of CONDUCTORS	Insulation Thickness (mils)	Ground Size (AWG)	Cable Diameters (Inches)			Approx. Net Wt. (Lbs/Mft)
				INSULATION	Over Armor	Outer Jacket	
6-7str	2	60	6	0.295	1.09	1.2	505
4-7str	2	60	6	0.345	1.227	1.32	558
2-7str	2	60	6	0.394	1.35	1.46	762
1-19str	2	80	4	0.459	1.49	1.6	950
1/0-19str	2	80	4	0.496	1.57	1.68	1046
2/0-19str	2	80	4	0.536	1.66	1.77	1152
3/0-19str	2	80	4	0.583	1.76	1.87	1398
4/0-19str	2	80	2	0.635	1.89	1.99	1471
250-37str	2	90	2	0.7	2.14	2.19	1670
350-37str	2	90	2	0.796	2.29	2.44	2353
500-37str	2	90	1	0.916	2.54	2.69	2865
750-61str	2	90	1/0	1.088	2.91	3.07	3509

All values are nominal and subject to correction.