



POWER KABEL INC.

TECK90-HL 1KV
SINGLE COPPER CONDUCTOR - XLP INSULATION WITH ALUMINUM ARMOR & OVERALL PVC JACKET 1KV

APPLICATIONS

Teck 90-HL cables are for use in power, control and lighting circuits at industrial and chemical plants, pulp and paper mills, steel mills, mines, power generating facilities, food processing plants and commercial centers. It is suitable for installation in wet or dry locations in troughs, tray, in direct burial and hazardous applications. Teck90-HL is for applications up to 1000 volts and temperatures from -40°C to +90°C.

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

CSA Standard C22.2 No. 131, No.38 and No.2256 Hazardous Location Class 1 Division II
 RoHS Flame test compliances: CSA FT4 Direct Burial Acid Gas: CSA AG14

CONSTRUCTION

CONDUCTORS: #1 AWG - 600 MCM. round concentric lay class "B"
INSULATION: Cross-linked Polyethylene (XLPE) Type RW90
ASSEMBLY: Bonding Conductor (Ground): Concentrically wrapped uninsulated bare solid copper conductor. Polypropylene wrap applied around ground conductors
INNER JACKET: Low acid gas, flame-retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
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	Ground Size (AWG)	Cable Diameters			Approx. Net Wt. (Lbs/Mft)
				Inner Jacket	Over Armor	Outer Jacket	
1	1	.080"	#14	.693"	.893"	.98"	716
1/0	1	.080"	#14	.73"	.98"	1.067"	800
2/0	1	.045"	#12	.65"	.85"	.95"	458
3/0	1	.045"	#10	.72"	.92"	1.02"	590
4/0	1	.060"	#8	.89"	1.09"	1.21"	850
250MCM	1	.060"	#8	1.01"	1.22"	1.34"	1180
300MCM	1	.060"	#6	1.15"	1.36"	1.49"	1590
350MCM	1	.080"	#6	1.32"	1.54"	1.66"	1960
400MCM	1	.080"	#6	1.41"	1.62"	1.75"	2320
500MCM	1	.080"	#6	1.50"	1.73"	1.86"	2770
600MCM	1	.080"	#4	1.64"	1.87"	2.00"	3380

All values are nominal and subject to correction.