



# POWER KABEL INC.

**TECK90-HL 1KV**  
**4 COPPER CONDUCTORS - XLP INSULATION WITH ALUMINUM ARMOR & OVERALL PVC JACKET**

### APPLICATIONS & FEATURES

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.

### INDUSTRY COMPLIANCES

CSA Standard C22.2 No. 131, No.38 and No.2256  
 Direct Burial Acid Gas: CSA AG14

RoHS Flame test compliances: CSA FT4 Hazardous  
 Location Class 1 Division II

### CONSTRUCTION

<b>CONDUCTORS:</b>	14 AWG - 1000 MCM. round concentric lay class "B" stranded copper
<b>INSULATION:</b>	Cross-linked Polyethylene (XLPE) Type RW90
<b>ASSEMBLY:</b>	Conductors are cabled together with a stranded bare copper ground a non-hydroscopic fillers where required to make the cable core round.
<b>INNER JACKET:</b>	Low acid gas, flame-retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
<b>ARMOR:</b>	Aluminum interlocked armor
<b>OUTER JACKET:</b>	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	
14	4	.045"	14	.51"	.71"	.81"	295
12	4	.045"	14	.59"	.79"	.89"	370
10	4	.045"	12	.65"	.85"	.95"	458
8	4	.045"	10	.72"	.92"	1.02"	590
6	4	.060"	8	.89"	1.09"	1.21"	850
4	4	.060"	8	1.01"	1.22"	1.34"	1180
2	4	.060"	6	1.15"	1.36"	1.49"	1590
1	4	.080"	6	1.32"	1.54"	1.66"	1960
1/0	4	.080"	6	1.41"	1.62"	1.75"	2320
2/0	4	.080"	6	1.50"	1.73"	1.86"	2770
3/0	4	.080"	4	1.64"	1.87"	2.00"	3380
4/0	4	.080"	4	1.82"	2.07"	2.20"	4170
250MCM	4	.090"	4	1.97"	2.22"	2.36"	4760
350MCM	4	.090"	3	2.21"	2.46"	2.63"	6350
500MCM	4	.090"	3	2.50"	2.75"	2.93"	8480
750MCM	4	.090"	2	3.01"	3.25"	3.45"	12500
1000MCM	4	.090"	1	3.39"	3.64"	3.84"	15900

All values are nominal and subject to correction.