



POWER KABEL INC.

TECK90-HL 1KV
3 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 RoHS Flame test compliances: CSA FT4 Hazardous
 Direct Burial Acid Gas: CSA AG14 Location Class 1 Division II

CONSTRUCTION

CONDUCTORS: 14 AWG - 1000 MCM. round concentric lay class "B" stranded copper
INSULATION: Cross-linked Polyethylene (XLPE) Type RW90
ASSEMBLY: Conductors are cabled together with a stranded bare copper ground a non-hydroscopic fillers where required to make the cable core round.
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	
14	3	.045"	14	.47"	.67"	.77"	255
12	3	.045"	14	.52"	.72"	.82"	295
10	3	.045"	12	.59"	.79"	.89"	385
8	3	.045"	10	.66"	.86"	.96"	488
6	3	.060"	8	.79"	.99"	1.10"	675
4	3	.060"	8	.93"	1.13"	1.25"	970
2	3	.060"	6	1.07"	1.27"	1.38"	1296
1	3	.080"	6	1.22"	1.42"	1.53"	1640
1/0	3	.080"	6	1.30"	1.52"	1.63"	1880
2/0	3	.080"	6	1.37"	1.58"	1.70"	2250
3/0	3	.080"	4	1.48"	1.69"	1.82"	2700
4/0	3	.080"	4	1.59"	1.84"	1.97"	3260
250MCM	3	.090"	4	1.81"	2.06"	2.19"	3800
350MCM	3	.090"	3	2.02"	2.27"	2.40"	4980
500MCM	3	.090"	3	2.28"	2.52"	2.67"	6790
750MCM	3	.090"	2	2.70"	2.95"	3.12"	9600
1000MCM	3	.090"	1	3.09"	3.34"	3.50"	12800

All values are nominal and subject to correction.