



POWER KABEL INC.

TECK90-HL 600V 16-10AWG CU XLP ALUMINUM ARMOR PVC JACKET (-40°C)

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 600 volts and temperatures from -40°C to +90°C. 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. 239, No.38 and No.2256, RoHS

SUN RES (outer jacket) SUN RES on inner jacket

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

Direct Burial Acid Gas: CSA AG14

CONSTRUCTION

CONDUCTORS:	Round concentric lay class "B" stranded copper
INSULATION:	Cross-linked Polyethylene (XLPE) Type RW90
ASSEMBLY & GROUND:	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 (AIA)
JACKET:	Overall black polyvinyl chloride (PVC) jacket, which is heat, moisture and sunlight resistant

AWG	No of CONDUCTORS	GROUND WIRE (AWG)	INSULATION THICKNESS (INCHES)	INNER JACKET OD (INCHES)	ARMOR OD (INCHES)	OUTSIDE DIAMETER (INCHES)	POUNDS PER 1000 FT
16 AWG							
16	2	16	0.03	0.329	0.509	0.0612	164
16	3	16	0.03	0.347	0.527	0.63	182
16	4	16	0.03	0.377	0.557	0.66	205
16	5	16	0.03	0.411	0.591	0.694	228
16	6	16	0.03	0.445	0.645	0.748	260
16	7	16	0.03	0.445	0.645	0.748	273
16	8	16	0.03	0.479	0.679	0.782	296
16	10	16	0.03	0.592	0.792	0.895	372
16	12	16	0.03	0.615	0.815	0.918	406
16	15	16	0.03	0.669	0.869	0.972	463
16	20	16	0.03	0.74	0.94	1.043	553
16	25	16	0.03	0.83	1.03	1.133	648
16	30	16	0.03	0.918	1.118	1.221	772
16	40	16	0.03	1.022	1.222	1.325	942
16	50	16	0.03	1.15	1.35	1.453	1120
14 AWG							
14	2	14	0.03	0.37	.56	.68	195
14	3	14	0.03	0.39	.59	.70	224
14	4	14	0.03	0.43	.64	.75	255
14	5	14	0.03	0.47	.67"	.78	285
14	6	14	0.03	0.52	.71	.82	320
14	7	14	0.03	0.53	.72	.83	342
14	8	14	0.03	0.61	.81	.92	405
14	9	14	0.03	0.62	.82	.93	428
14	10	14	0.03	0.68	.88	1.00	465
14	12	14	0.03	0.72	.95	1.05	505
14	15	14	0.03	0.78	1.01	1.10	600
14	19	14	0.03	0.89	1.09	1.20	700
14	20	14	0.03	0.91	1.11	1.22	720
14	25	14	0.03	1.03	1.24	1.35	895
14	30	14	0.03	1.09	1.32	1.42	1030
14	40	14	0.03	1.21	1.42	1.54	1290
14	50	14	0.03	1.34	1.55	1.67	1500
14	60	14	0.03	1.45	1.67	1.81	1710

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AWG	No of CONDUCTORS	GROUND WIRE (AWG)	INSULATION THICKNESS (INCHES)	INNER JACKET OD (INCHES)	ARMOR OD (INCHES)	OUTSIDE DIAMETER (INCHES)	POUNDS PER 1000 FT
12 AWG							
12	2	14	0.03	0.42	0.62	0.73	223
12	3	14	0.03	0.44	0.64	0.75	256
12	4	14	0.03	0.53	0.736	0.84	308
12	5	14	0.03	0.53	0.73	0.85	338
12	6	14	0.03	0.61	0.81	0.93	401
12	7	14	0.03	0.64	0.84	0.96	437
12	8	14	0.03	0.69	0.89	1.00	479
12	9	14	0.03	0.71	0.91	1.02	512
12	10	14	0.03	0.76	0.96	1.08	555
12	12	14	0.03	0.82	1.04	1.16	669
12	15	14	0.03	0.86	1.08	1.2	761
12	20	14	0.03	1.02	1.24	1.36	981
12	25	14	0.03	1.14	1.36	1.48	1160
12	30	14	0.03	1.22	1.44	1.56	1320
12	50	14	0.03	1.49	1.71	1.85	1983
12	100	14	0.03	2.09	2.34	2.48	3815
10 AWG							
10	2	12	0.03	0.47	0.67	0.78	271
10	3	12	0.03	0.56	0.76	0.87	338
10	4	12	0.03	0.6	0.8	0.91	388
10	5	12	0.03	0.63	0.83	0.94	453
10	6	12	0.03	0.68	0.88	1.00	511
10	7	12	0.03	0.72	0.92	1.03	562
10	8	12	0.03	0.78	0.98	1.09	620
10	9	12	0.03	0.8	1.02	1.14	707
10	10	12	0.03	0.86	1.08	1.19	767
10	12	12	0.03	0.97	1.19	1.31	917
10	15	12	0.03	1.01	1.23	1.35	1050
10	20	12	0.03	1.15	1.37	1.49	1302
10	25	12	0.03	1.29	1.51	1.63	1552
10	30	12	0.03	1.37	1.59	1.73	1813
10	40	12	0.03	1.54	1.76	1.9	2271
10	50	12	0.03	1.69	1.94	2.08	2864

All values are nominal and subject to correction.