POWER KABEL INC.

MV-90 ALUMINUM 5KV XLP @ 100% NEUTRAL PVC JACKET

APPLICATIONS & FEATURES

Primary power and distribution circuits in industrial and commercial installations, power circuits in generating plants where line to ground fault current are within shield capabilities. May be used in wet or dry locations, installed in raceways, duct, and open air, aerially or directly buried as permitted by NEC. UL Listed as MV-90. Rated as Sunlight Resistance. Oil Resistance I jacket.

INDUSTRY COMPLIANCES

UL 1072 (Medium Voltage Power Cable.)

ICEA S-93-639/WC 74 (Shielded Power Cable for Use in the Transmission and Distribution of Electric Energy Rated 5 kV - 46 kV.)

ICEA S-97-682(Utility Shielded Power Cables rated 5 kV - 46 kV.)

AEIC CS8 (Extruded Dielectric, Shielded Power Cables)

ASTM B400 (Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors.)

CONSTRUCTION

CONDUCTORS:	Hard drawn Aluminum-1350 compacted Class B per ASTM B400.
CONDUCTOR SHIELD:	Semi conducting cross-linked polyethylene (XLPE).
INSULATION:	Thermoset crosslinked polyethylene (XLPE). On request: TR-XLPE.
INSULATION SHIELD:	Semi conducting cross-linked polyethylene (XLPE).
CONCENTRIC NEUTRAL:	Soft annealed solid copper wires per ASTM B3, helically applied and uniformly spaced. Full or 1/3 Neutral.
BINDER TAPE:	A suitable polyester tape, as required
JACKET:	Black sunlight resistance and flame retardant polyvinyl chloride (PVC) compound.

AWG	STRANDS	INSULATION THICKNESS (MILS)	CONDUCTOR OD (INCHES)	INSULATION DIAMETER (INCHES)	JACKET THICKNESS (MILS)	OUTSIDE DIAMETER (INCHES)	POUNDS PER 1000 FT
6	7	90	0.17	0.38	60	0.63	172
4	7	90	0.21	0.43	60	0.68	202
2	7	90	0.27	0.48	60	0.73	250
1	19	90	0.30	0.51	60	0.76	275
1/0	19	90	0.34	0.55	60	0.80	308
2/0	19	90	0.38	0.59	80	0.88	382
3/0	19	90	0.42	0.64	80	0.93	433
4/0	19	90	0.48	0.69	80	0.98	494
250	37	90	0.52	0.75	80	1.03	559
350	37	90	0.62	0.84	80	1.13	689
500	37	90	0.74	0.96	80	1.25	877
750	61	90	0.91	1.14	80	1.45	1215
1000	61	90	1.06	1.30	80	1.61	1510

All values are nominal and subject to correction.