POWER KABEL INC.

MV-90 COPPER 8KV XLP @ 100% COPPER TAPE SHIELD 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 B496 (Compact Round Concentric-Lay-Stranded Copper Conductors.)

CONSTRUCTION

CONDUCTORS:	Soft annealed uncoated copper compacted Class B per ASTM B496
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).
METALLIC SHIELD:	Soft annealed uncoated copper tape, 5 mil thick, 25% minimum overlap
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	115	0.17	0.43	60	0.65	270
4	7	115	0.21	0.48	60	0.69	338
2	7	115	0.27	0.53	60	0.75	438
1	19	115	0.30	0.56	60	0.78	504
1/0	19	115	0.34	0.60	60	0.81	588
2/0	19	115	0.38	0.64	80	0.89	726
3/0	19	115	0.42	0.69	80	0.94	857
4/0	19	115	0.48	0.74	80	0.99	1018
250	37	115	0.52	0.80	80	1.05	1163
300	37	115	0.57	0.85	80	1.10	1341
350	37	115	0.62	0.89	80	1.14	1519
400	37	115	0.66	0.93	80	1.19	1694
500	37	115	0.74	1.01	80	1.29	2066
600	61	115	0.81	1.10	80	1.37	2419
750	61	115	0.91	1.19	80	1.47	2931
1000	61	115	1.06	1.35	80	1.62	3780

All values are nominal and subject to correction.