



POWER KABEL INC.

MV-90 COPPER 15KV 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
2	7	175	0.27	0.65	80	0.91	549
1	19	175	0.30	0.68	80	0.94	618
1/0	19	175	0.34	0.72	80	0.97	707
2/0	19	175	0.38	0.76	80	1.01	814
3/0	19	175	0.42	0.81	80	1.06	948
4/0	19	175	0.48	0.86	80	1.11	1113
250	37	175	0.52	0.92	80	1.17	1262
300	37	175	0.57	0.97	80	1.22	1445
350	37	175	0.62	1.01	80	1.29	1651
400	37	175	0.66	1.05	80	1.33	1830
500	37	175	0.74	1.13	80	1.41	2184
600	61	175	0.81	1.22	80	1.49	2544
750	61	175	0.91	1.31	80	1.59	3062
1000	61	175	1.06	1.47	110	1.80	4029

All values are nominal and subject to correction.