POWER KABEL INC.

MV-90 COPPER 15KV 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 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).
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
2	7	175	0.27	0.65	80	0.94	524
1	19	175	0.30	0.68	80	0.97	591
1/0	19	175	0.34	0.72	80	1.01	677
2/0	19	175	0.38	0.76	80	1.05	781
3/0	19	175	0.42	0.81	80	1.10	912
4/0	19	175	0.48	0.86	80	1.15	1073
250	37	175	0.52	0.92	80	1.20	1226
300	37	175	0.57	0.97	80	1.25	1405
350	37	175	0.62	1.01	80	1.32	1606
400	37	175	0.66	1.05	80	1.37	1782
500	37	175	0.74	1.13	80	1.44	2130
600	61	175	0.81	1.22	80	1.53	2491
750	61	175	0.91	1.31	80	1.62	3003
1000	61	175	1.06	1.47	110	1.84	3960

All values are nominal and subject to correction.