



# POWER KABEL INC.

## PKI MV-90 COPPER 15KV XLP @ 133% 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

<b>CONDUCTORS:</b>	Soft annealed uncoated copper compacted Class B per ASTM B496
<b>CONDUCTOR SHIELD:</b>	Semi conducting cross-linked polyethylene (XLPE).
<b>INSULATION:</b>	Thermoset crosslinked polyethylene (XLPE). On request: TR-XLPE.
<b>INSULATION SHIELD:</b>	Semi conducting cross-linked polyethylene (XLPE).
<b>METALLIC SHIELD:</b>	Soft annealed uncoated copper tape, 5 mil thick, 25% minimum overlap
<b>BINDER TAPE:</b>	A suitable polyester tape, as required
<b>JACKET:</b>	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	220	0.27	0.74	80	1.00	615
1	19	220	0.30	0.77	80	1.03	686
1/0	19	220	0.34	0.81	80	1.06	776
2/0	19	220	0.38	0.85	80	1.10	886
3/0	19	220	0.42	0.90	80	1.15	1023
4/0	19	220	0.48	0.95	80	1.20	1191
250	37	220	0.52	1.01	80	1.28	1368
300	37	220	0.57	1.06	80	1.33	1554
350	37	220	0.62	1.10	80	1.38	1738
400	37	220	0.66	1.14	80	1.42	1920
500	37	220	0.74	1.22	80	1.50	2279
600	61	220	0.81	1.31	80	1.58	2643
750	61	220	0.91	1.40	110	1.74	3269
1000	61	220	1.06	1.56	110	1.92	4197

All values are nominal and subject to correction.