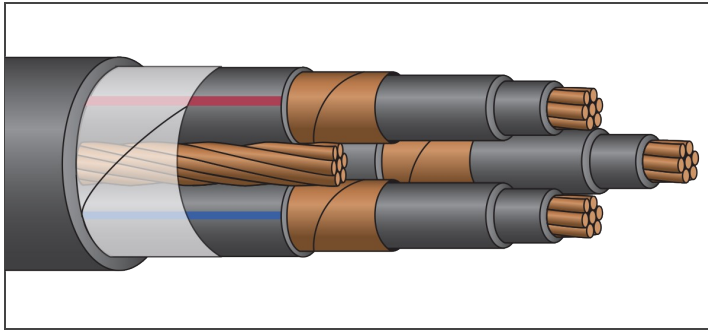


TRAY & POWER CABLES



POWER CABLE MV-105, Shielded 5,000 Volt Copper



Description:

Three Class B stranded copper conductors, phase identified and cabled together with fillers (*when necessary*) and bare copper ground conductor. Cable core covered with mylar binder tape and overall PVC jacket (*other jackets available upon request*). **Jacket available in colors.**

Shielded: Class B stranded copper with extruded semi-conductor shield, insulated with heat and moisture resistant EPR (*5kV rated - 133% insulation level; 8kV rated - 100% insulation level*) with conductor jacket.

Standards:

UL 1072

Non-shielded: ICEA S-96-659/NEMA WC-71

Shielded: ICEA S-93-639/NEMA WC-74

Conductors Rated at 105°C

Sunlight Resistant, Gasoline and Oil Resistant II Jacket

Direct Burial

Color Code: K-2 Stripes

RoHS Compliant

Part Number	Size (AWG or Kcmil)	Strand (no.)	Conductor Insulation Thickness (mils)	Conductor Jacket Thickness (mils)	Approx. Diameter Over Single Cond. (in.)	Grounding Conductor (AWG)	PVC Jacket Thickness (mils)	Approx. Diameter Overall (in.)	Approx. Net Weight (lb./1000')	Ampacity* (40°C ambient)
P5KS4/3EG	4	7	115	60	0.73	6	110	1.83	1,775	100
P5KS2/3EG	2	7	115	60	0.78	6	110	1.94	2,115	135
P5KS1/3EG	1	19	115	60	0.82	4	110	2.03	2,491	155
P5KS1/03EG	1/0	19	115	80	0.91	4	110	2.22	2,908	185
P5KS2/03EG	2/0	19	115	80	0.96	4	110	2.33	3,301	210
P5KS4/03EG	4/0	19	115	80	1.05	3	110	2.52	4,324	285
P5KS250/3EG	250	37	115	80	1.11	3	110	2.65	4,872	315
P5KS350/3EG	350	37	115	80	1.21	2	140	2.93	6,289	390
P5KS500/3EG	500	37	115	80	1.36	1	140	3.25	8,244	475
P5KS750/3EG	750	61	115	80	1.55	1/0	140	3.66	11,350	585

*Per NEC Table 310.60 (C)(75). Based on one three-conductor cable. NOTE: The data shown is approximate and subject to standard industry tolerances.