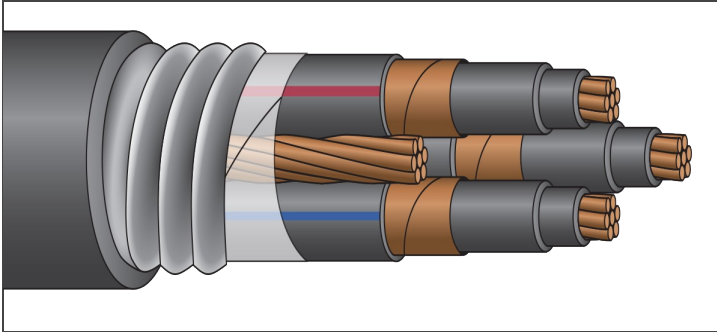


## ARMORED CABLE



## MV-105 Shielded 5,000 Volt Copper



### Description:

Three stranded copper conductors, insulated with heat and moisture resistant EPR, phase identified and cabled together with fillers and bare copper ground conductor. Cable core covered with mylar binder tape, aluminum or galvanized interlocked armor, and overall yellow PVC jacket (*other jackets available upon request*). **Jacket available under armor and 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.

### Application:

Suitable for use in hazardous locations: Class I - Div 2.

### Standards:

UL 1072

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

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

Flame Rated: IEEE 383 (70,000 BTU), ICEA T-29-520 (210,000 BTU),  
IEEE 1202/CSA FT-4

Conductors Rated at 105°C

Sunlight Resistant, Gasoline and Oil Resistant II Jacket

Direct Burial (*includes encasement in concrete*)

Color Code: K-2 Stripes

RoHS Compliant

Part Number	Size (AWG or Kcmil)	Strand (no.)	Conductor Insulation Thickness (mils)	Conductor Jacket Thickness (mils)	Grounding Conductor (AWG)	Diameter Over Armor (in.)	PVC Jacket Thickness (mils)	Approx. Diameter Overall (in.)	Approx. Net Weight Aluminum Armor (lb./1000')	Approx. Net Weight Galvanized Armor (lb./1000')	Ampacity* (40°C ambient)
AP5KS6/3E	6	7	115	60	6	1.75	60	1.87	1,478	1,833	69
AP5KS4/3E	4	7	115	60	6	1.89	60	2.01	1,765	2,142	91
AP5KS2/3E	2	7	115	60	6	1.99	60	2.11	2,085	2,496	125
AP5KS1/3E	1	19	115	60	4	2.09	60	2.21	2,889	2,889	140
AP5KS1/03E	1/0	19	115	80	4	2.27	75	2.42	2,898	3,374	165
AP5KS2/03E	2/0	19	115	80	4	2.37	75	2.52	3,268	3,766	190
AP5KS4/03E	4/0	19	115	80	3	2.57	75	2.72	4,255	4,800	255
AP5KS250/3E	250	37	115	80	3	2.71	75	2.86	5,075	5,641	280
AP5KS350/3E	350	37	115	80	2	2.91	75	3.06	6,326	6,950	350
AP5KS500/3E	500	37	115	80	1	3.25	85	3.42	8,650	9,352	425
AP5KS750/3E	750	61	115	80	1/0	3.48	85	3.65	11,827	12,621	525

\*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.