

## EPR Insulation-PVC Jacket, MV-105-133% (5kV) or 100% (8kV), Shielded-Single Conductor-5kV & 8kV



### Product Construction

#### Conductor:

- Annealed bare copper
- Compressed, Class B stranding

#### Extruded Strand Shield:

- Extruded thermoset semi-conducting stress-control layer over conductor

#### Insulation:

- Ethylene Propylene Rubber (EPR), colored to contrast with the black conducting shield layers

#### Extruded Insulation Shield:

- Thermoset semi-conducting polymeric layer free stripping from insulation

#### Grounding Conductor(s):

- 1-3 bare or covered grounding conductors may be supplied in the twisted assembly upon request

#### Metallic Shield:

- Annealed copper tape with an overlap of 25%

#### Jacket:

- Flame-retardant, moisture, and sunlight resistant Polyvinyl Chloride (PVC)

### Applications

- Suitable for use in a broad range of commercial, industrial, and utility applications, where reliability is the major concern, space is limited, and ease of installation is critical
- Suitable for use in wet or dry locations when installed in accordance with NEC
- For use in aerial, direct burial, conduit, open tray, and underground duct installations

### Features

- UL Listed as Type MV-105 for use in accordance with the NEC
- UL Labeled and marked "Sunlight resistant for CT Use"
- Compact twisted assembly offers ease of installation and lower voltage drop characteristics as compared to multiple single conductor systems
- Temperature Range: Normal 105°C, Emergency 140°C, Short Circuit 250°C

### Standards

- National Electric Code (NEC)
- UL 1072
- UL listed as Type MV-105 for use in accordance with NEC
- ASTM B8
- ICEA S-93 639
- OSHA Acceptable

## Medium Voltage Power Cable



Part #	AWG	Insulation Thickness	Jacket Thickness	Nominal O.D.	Lbs./M'
MVE20201-SPX	2	.115"	.060"	.806"	498
MVE21/001-SPX	1/0	.115"	.060"	.921"	692
MVE22/001-SPX	2/0	.115"	.060"	.964"	801
MVE23/001-SPX	3/0	.115"	.080"	1.015"	937
MVE24/001-SPX	4/0	.115"	.080"	1.071"	1102
MVE225001-SPX	250	.115"	.080"	1.117"	1248
MVE235001-SPX	350	.115"	.080"	1.220"	1615
MVE250001-SPX	500	.115"	.080"	1.348"	2148
MVE275001-SPX	750	.115"	.080"	1.527"	2994

\*Accessories are available for all medium voltage products.

Note: The data shown are approximate and subject to standard industry and manufacturer tolerances.