

## 5kV/8Kv - EPR Insulation, PVC Jacket - 3-Conductor

EPR Insulation - PVC Jacket  
MV-105 - 133% Insulation Level  
5kV/8kV - 3 Conductor



\*Product images are for illustrative purposes only and may differ from the actual product.

### Category Conductor Description:

- Annealed bare copper Compact, Class B stranding

### Category Insulation Description:

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

### Metallic Shield:

- 5 mils annealed copper tape with an overlap of 25%

### 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 the NEC For use in aerial, direct burial, conduit, open tray, and underground duct installations

### Extruded Strand Shield:

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

### Extruded Insulation Shield:

- Thermoset semi-conducting polymeric layer free stripping from insulation

### Category Jacket Description:

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

### Standards:

- National Electric Code (NEC)
- UL 1072
- UL listed as Type MV-105 for use in accordance with NEC
- UL 1685
- IEEE 1202
- OSHA Acceptable

**Part Number Table**

<b>Part#</b>	<b>Gauge</b>	<b>Conductors</b>	<b>Stranding</b>	<b>Ground Gauge</b>	<b>Insulation Thickness</b>	<b>Jacket Thickness</b>	<b>Outside Diameter Inches</b>	<b>Material Weight (Lbs./M')</b>
MVE20603	6	3	7	6	0.115	0.08	1.29	939
MVE20403	4	3	7	6	0.115	0.08	1.39	1163.7
MVE20203	2	3	7	6	0.115	0.08	1.51	1471.5
MVE21/003	1/0	3	19	4	0.115	0.11	1.67	1978.1
MVE22/003	2/0	3	19	4	0.115	0.11	1.82	2282.8
MVE24/003	4/0	3	19	3	0.115	0.11	2.07	3298.6
MVE225003	250	3	37	3	0.115	0.11	2.15	3773.7
MVE235003	350	3	37	2	0.115	0.11	2.36	4844
MVE250003	500	3	37	1	0.115	0.11	2.64	6370.7
MVE275003	750	3	61	1/0	0.115	0.14	3.14	9279.3

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

**Selling Exclusively Through Distribution Since 1977™ | phone: 800-292-OMNI | website: [omnicable.com](http://omnicable.com)**  
**Atlanta • Boston • Charlotte • Chicago • Cincinnati • Denver • Houston • Los Angeles • Philadelphia • San Francisco • Seattle •**  
**St. Louis • Tampa • Toronto**  
**© 2020 Omni Cable LLC**