

## 5kV EPR Insulation, PVC Jacket - Single Conductor, Compressed Stranding

EPR Insulation - PVC Jacket  
MV-105, Compressed Stranded  
Shielded - Single Conductor - 5kV



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

### Category Conductor Description:

- Annealed bare copper Compressed, Class B stranding

### Extruded Strand Shield:

- Extruded thermoset semi-conducting stress control layer over conductor

### Category Insulation Description:

- 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

### Metallic Shield:

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

### Category Jacket Description:

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

### Applications:

- Suitable for use in wet or dry locations in accordance with NEC
- For use in aerial, direct burial, conduit, open tray, and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

### 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

**Part Number Table**

<b>Part#</b>	<b>Gauge</b>	<b>Insulation Thickness</b>	<b>Jacket Thickness</b>	<b>Outside Diameter Inches</b>	<b>Material Weight (Lbs./M')</b>
MVE20201-COM	2	0.115	0.06	0.806	498
MVE21/001-COM	1/0	0.115	0.08	0.921	692
MVE22/001-COM	2/0	0.115	0.08	0.964	801
MVE23/001-COM	3/0	0.115	0.08	1.015	937
MVE24/001-COM	4/0	0.115	0.08	1.071	1102
MVE225001-COM	250	0.115	0.08	1.117	1248
MVE235001-COM	350	0.115	0.08	1.22	1615
MVE250001-COM	500	0.115	0.08	1.348	2148
MVE275001-COM	750	0.115	0.08	1.527	2994

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

**Selling Exclusively Through Distribution Since 1977 <sup>TM</sup> | 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