

## 35kV - EPR Insulation, MV-105-133% Insulation Level

EPR Insulation - PVC Jacket  
MV-105 - 35kV at 133% Insulation  
Shielded - Single 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 wet and dry locations when installed in accordance with NEC
- For 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)

### 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:

- Low friction, lead-free, 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

Part#	Gauge	Stranding	Insulation Thickness	Jacket Thickness	Outside Diameter Inches	Material Weight (Lbs./M')
MVE51/001	1/0	19	0.42	0.08	1.47	1328
MVE52/001	2/0	19	0.42	0.08	1.49	1378
MVE53/001	3/0	19	0.42	0.08	1.53	1532
MVE54/001	4/0	19	0.42	0.08	1.59	1804
MVE525001	250	37	0.42	0.08	1.64	1959
MVE535001	350	37	0.42	0.08	1.79	2396
MVE550001	500	37	0.42	0.11	1.91	3120
MVE575001	750	61	0.42	0.11	2.09	4109
MVE5100001	1000	61	0.42	0.11	2.25	4885

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

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