

## 25kV - EPR Insulation, MV-105-133% Insulation Level

EPR Insulation - PVC Jacket  
MV-105 - 25kV 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 mil 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	Nominal OD over Insulation	Outside Diameter Inches	Material Weight (Lbs./M')
MVE41/001	1/0	19	0.345	0.08	1.08	1.31	1086.4
MVE42/001	2/0	19	0.345	0.08	1.12	1.41	1304
MVE43/001	3/0	19	0.345	0.08	1.17	1.46	1461
MVE44/001	4/0	19	0.345	0.08	1.22	1.45	1531.3
MVE425001	250	37	0.345	0.08	1.28	1.57	1826
MVE435001	350	37	0.345	0.08	1.37	1.67	2235
MVE450001	500	37	0.345	0.11	1.5	1.85	2934
MVE475001	750	61	0.345	0.11	1.68	2.06	3962
MVE4100001	1000	61	0.345	0.11	1.84	2.22	4917

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

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