

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# | Houston Wire & Cable | Gauge | Stranding | Insulation Thickness | Jacket Thickness | Nominal OD over Insulation | Outside Diameter Inches | Material Weight (Lbs./M') |
|--------------|---------------------------------|--------------|------------------|-----------------------------|-------------------------|-----------------------------------|--------------------------------|----------------------------------|
| MVE41/001 | HW21110101 | 1/0 | 19 | 0.345 | 0.08 | 1.08 | 1.31 | 1086.4 |
| MVE42/001 | HW21120101 | 2/0 | 19 | 0.345 | 0.08 | 1.12 | 1.41 | 1304 |
| MVE43/001 | HW21130101 | 3/0 | 19 | 0.345 | 0.08 | 1.17 | 1.46 | 1461 |
| MVE44/001 | HW21140101 | 4/0 | 19 | 0.345 | 0.08 | 1.22 | 1.45 | 1531.3 |
| MVE425001 | HW21140101 | 250 | 37 | 0.345 | 0.08 | 1.28 | 1.57 | 1826 |
| MVE435001 | HW21135001 | 350 | 37 | 0.345 | 0.08 | 1.37 | 1.67 | 2235 |
| MVE450001 | HW21150001 | 500 | 37 | 0.345 | 0.11 | 1.5 | 1.85 | 2934 |
| MVE475001 | HW21175001 | 750 | 61 | 0.345 | 0.11 | 1.68 | 2.06 | 3962 |
| MVE4100001 | HW21110001 | 1000 | 61 | 0.345 | 0.11 | 1.84 | 2.22 | 4917 |

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
Atlanta • Boston • Charlotte • Chicago • Cincinnati • Denver • Houston • Los Angeles • Philadelphia • San Francisco • Seattle •
St. Louis • Tampa • Toronto
© 2020 Omni Cable LLC