

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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