

## 5kV/8kV - EPR Insulation, PVC Jacket - Single Conductor

EPR Insulation - PVC Jacket  
MV-105-133% (5kV) or 100% (8kV)  
Shielded - Single Conductor - 5kV & 8kV



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

### Category Conductor Description:

- Annealed bare copper Compact, Class B stranding. \*\*\*Also available in Class B compressed copper. Reach out to your OmniCable Account Manager for details.

### 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 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)

### 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:

- 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 Diameter Min | Insulation Diameter Max | Insulation Thickness | Jacket Thickness | Outside Diameter Inches | Material Weight (Lbs./M') |
|------------|-------|-----------|-------------------------|-------------------------|----------------------|------------------|-------------------------|---------------------------|
| MVE20601   | 6     | 7         | .415"                   | .490"                   | 0.115                | 0.06             | 0.65                    | 294.5                     |
| MVE20401   | 4     | 7         | .455"                   | .535"                   | 0.115                | 0.06             | 0.7                     | 365.4                     |
| MVE20201   | 2     | 7         | .510"                   | .590"                   | 0.115                | 0.06             | 0.76                    | 467.9                     |
| MVE21/001  | 1/0   | 19        | .580"                   | .655"                   | 0.115                | 0.06             | 0.82                    | 620.1                     |
| MVE22/001  | 2/0   | 19        | .620"                   | .695"                   | 0.115                | 0.06             | 0.86                    | 721.5                     |
| MVE23/001  | 3/0   | 19        | .665"                   | .745"                   | 0.115                | 0.08             | 0.94                    | 877.8                     |
| MVE24/001  | 4/0   | 19        | .720"                   | .795"                   | 0.115                | 0.08             | 1                       | 1038.2                    |
| MVE225001  | 250   | 37        | .770"                   | .850"                   | 0.115                | 0.08             | 1.05                    | 1182.3                    |
| MVE235001  | 350   | 37        | .970"                   | .945"                   | 0.115                | 0.08             | 1.14                    | 1537.1                    |
| MVE250001  | 500   | 37        | .990"                   | 1.065"                  | 0.115                | 0.08             | 1.27                    | 2024.7                    |
| MVE275001  | 750   | 61        | 1.170"                  | 1.250"                  | 0.115                | 0.08             | 1.45                    | 2917.8                    |
| MVE2100001 | 1000  | 61        | 1.320"                  | 1.400"                  | 0.115                | 0.08             | 1.6                     | 3765.1                    |

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

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