

## 5kV EPR Insulation, PVC Jacket - Single Conductor, Compressed Stranding

EPR Insulation - PVC Jacket  
MV-105, Compressed Stranded  
Shielded - Single Conductor - 5kV



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

### Category Conductor Description:

- Annealed bare copper Compressed, Class B stranding

### Extruded Strand Shield:

- Extruded thermoset semi-conducting stress control layer over conductor

### Category Insulation Description:

- Ethylene Propylene Rubber (EPR), colored to contrast with the black conducting shield layers

### Extruded Insulation Shield:

- Thermoset semi-conducting polymeric layer free stripping from insulation

### Metallic Shield:

- 5 mils annealed copper tape with an overlap of 25%

### Category Jacket Description:

- Flame-retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC)

### 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)

### Standards:

- National Electric Code (NEC)
- UL 1072
- UL listed as Type MV-105 for use in accordance with NEC
- ASTM B8
- ICEA S-93 639
- OSHA Acceptable

**Part Number Table**

| <b>Part#</b>  | <b>Gauge</b> | <b>Insulation Thickness</b> | <b>Jacket Thickness</b> | <b>Outside Diameter Inches</b> | <b>Material Weight (Lbs./M')</b> |
|---------------|--------------|-----------------------------|-------------------------|--------------------------------|----------------------------------|
| MVE20201-COM  | 2            | 0.115                       | 0.06                    | 0.806                          | 498                              |
| MVE21/001-COM | 1/0          | 0.115                       | 0.08                    | 0.921                          | 692                              |
| MVE22/001-COM | 2/0          | 0.115                       | 0.08                    | 0.964                          | 801                              |
| MVE23/001-COM | 3/0          | 0.115                       | 0.08                    | 1.015                          | 937                              |
| MVE24/001-COM | 4/0          | 0.115                       | 0.08                    | 1.071                          | 1102                             |
| MVE225001-COM | 250          | 0.115                       | 0.08                    | 1.117                          | 1248                             |
| MVE235001-COM | 350          | 0.115                       | 0.08                    | 1.22                           | 1615                             |
| MVE250001-COM | 500          | 0.115                       | 0.08                    | 1.348                          | 2148                             |
| MVE275001-COM | 750          | 0.115                       | 0.08                    | 1.527                          | 2994                             |

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

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