

5kV/8kV UNISHIELD - EPR Insulation, CPE Jacket

EPR Insulation - CPE Jacket
MV-105- 133% (5kV) or 100% (8kV)
Shielded - Single Conductor - 5kV and 8kV
UNISHIELD®

Medium Voltage



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

Category Conductor Description:

- Annealed bare copper
Anapact™ compact, Class B
stranding

Extruded Strand Shield:

- Extruded thermoset semiconducting
stress control layer over conductor

Category Insulation Description:

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

Composite Insulation Shield and Jacket:

- Six corrugated copper drain wires
embedded in an extruded black
conducting flame-retardant
Chlorinated Polyethylene (CPE)
composite Insulation shield and jacket

Applications:

- Suitable for use in wet or dry locations when installed in accordance with NEC
- Suitable for use in aerial, direct burial, conduit, open tray, and underground duct installations
- For use in broad range of commercial, industrial, and utility projects

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') |
| MVU10201 | 2 | 7 | 0.115 | 0.075 | .542 | 0.77 | 404 |
| MVU11/001 | 1/0 | 19 | 0.115 | 0.075 | .615 | 0.787 | 563 |
| MVU12/001 | 2/0 | 19 | 0.115 | 0.08 | .658 | 0.837 | 675 |
| MVU14/001 | 4/0 | 19 | 0.115 | 0.08 | .759 | 1.04 | 951 |
| MVU125001 | 250 | 37 | 0.115 | 0.08 | .813 | 1 | 1122 |
| MVU135001 | 350 | 37 | 0.115 | 0.08 | .909 | 1.11 | 1476 |
| MVU150001 | 500 | 37 | 0.115 | 0.085 | 1.03 | 1.36 | 2003 |
| MVU175001 | 750 | 61 | 0.115 | 0.085 | 1.22 | 1.48 | 2893 |
| MVU1100001 | 1000 | 61 | 0.115 | 0.1 | 1.38 | 1.61 | 3786 |

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

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