

## 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:

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- Annealed bare copper  
Anapact&trade; compact, Class B  
stranding

### Extruded Strand Shield:

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- Extruded thermoset semiconducting  
stress control layer over conductor

### Category Insulation Description:

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

### Composite Insulation Shield and Jacket:

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- 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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