

## 15kV UNISHIELD - EPR Insulation,CPE Jacket

**EPR Insulation - CPE Jacket**  
**MV-105 -100% or 133% Insulation Level**  
**15kV - Single Conductor**  
**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 Compact, Class B stranding

### Extruded Strand Shield:

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- Extruded thermoset semi-conducting stress control layer over conductor

### Category Insulation Description:

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- Ethylene Propylene rubber (EPR), colored to contrast with the black conducting shield layers MVU40201 - 100% Insulation Level MVU2021 - 133% Insulation Level

### Composite Insulation Shield and Jacket:

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- Six corrugated copper drain wires embedded in a 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 the NEC
- Suitable 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
- 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')
MVU20201	2	7	0.22	0.08	.755	0.93	555
MVU40201	2	7	0.175	0.08	.664	0.841	501
MVU21/001	1/0	19	0.22	0.08	.828	1.01	715.5
MVU41/001	1/0	19	0.175	0.08	.737	0.916	661
MVU22/001	2/0	19	0.22	0.08	.871	0.96	867
MVU42/001	2/0	19	0.175	0.08	.780	1.07	769
MVU24/001	4/0	19	0.22	0.08	.971	1.16	1151
MVU44/001	4/0	19	0.175	0.08	.880	1.07	1079
MVU225001	250	37	0.22	0.085	1.03	1.24	1349
MVU425001	250	37	0.175	0.08	.935	1.13	1232
MVU235001	350	37	0.22	0.085	1.12	1.33	1691
MVU435001	350	37	0.175	0.085	1.03	1.23	1613
MVU250001	500	37	0.22	0.085	1.25	1.46	2238
MVU450001	500	37	0.175	0.085	1.16	1.36	2149
MVU275001	750	61	0.22	0.1	1.43	1.56	3174
MVU475001	750	61	0.175	0.1	1.34	1.67	3064
MVU2100001	1000	61	0.22	0.115	1.59	1.72	4164
MVU4100001	1000	61	0.175	0.1	1.50	1.86	3936

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

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