

## 15kV - EPR Insulation, PVC Jacket - Single Conductor

**EPR Insulation - PVC Jacket**  
**MV-105 - 133% Insulation Level**  
**15kV - Single Conductor**

**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

### Extruded Insulation Shield:

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- Thermoset semi-conducting polymeric layer free stripping from insulation

### Metallic Shield:

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

### Category Jacket Description:

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- Low-friction, flame retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC)

## Applications:

- Suitable for use in wet or dry locations in accordance with the 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 the 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')
MVE30201	2	7	0.22	0.08	.750	0.99	656
MVE30101	1	19	0.22	0.08	.790	1.03	733
MVE31/001	1/0	19	0.22	0.08	.830	1.06	820.8
MVE32/001	2/0	19	0.22	0.08	.870	1.1	930.3
MVE33/001	3/0	19	0.22	0.08	.920	1.14	1061.1
MVE34/001	4/0	19	0.22	0.08	.970	1.21	1237.2
MVE325001	250	37	0.22	0.08	1.02	1.25	1390.4
MVE335001	350	37	0.22	0.08	1.12	1.35	1760.8
MVE350001	500	37	0.22	0.08	1.25	1.47	2267.4
MVE375001	750	61	0.22	0.08	1.43	1.65	3189.8
MVE3100001	1000	61	0.22	0.11	1.59	1.86	4170.2

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

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