

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

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

**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 Compressed, 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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- 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

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