

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

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



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

### Category Conductor Description:

- Annealed bare copper Compact, Class B stranding

### Extruded Strand Shield:

- Extruded thermoset semi-conducting stress control layer over conductor

### Category Insulation Description:

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

### Extruded Insulation Shield:

- Thermoset semi-conducting polymeric layer free stripping from insulation

### Metallic Shield:

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

### Category Jacket Description:

- 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**

<b>Part#</b>	<b>Houston Wire &amp; Cable</b>	<b>Gauge</b>	<b>Stranding</b>	<b>Insulation Thickness</b>	<b>Jacket Thickness</b>	<b>Nominal OD over Insulation</b>	<b>Outside Diameter Inches</b>	<b>Material Weight (Lbs./M')</b>
MVE30201	HW20800201	2	7	0.22	0.08	.750	0.99	656
MVE30101	HW20800101	1	19	0.22	0.08	.790	1.03	733
MVE31/001	HW20810101	1/0	19	0.22	0.08	.830	1.06	820.8
MVE32/001	HW20820101	2/0	19	0.22	0.08	.870	1.1	930.3
MVE33/001	HW20830101	3/0	19	0.22	0.08	.920	1.14	1061.1
MVE34/001	HW20840101	4/0	19	0.22	0.08	.970	1.21	1237.2
MVE325001	HW20825001	250	37	0.22	0.08	1.02	1.25	1390.4
MVE335001	HW20835001	350	37	0.22	0.08	1.12	1.35	1760.8
MVE350001	HW20850001	500	37	0.22	0.08	1.25	1.47	2267.4
MVE375001	HW20875001	750	61	0.22	0.08	1.43	1.65	3189.8
MVE3100001	HW20810001	1000	61	0.22	0.11	1.59	1.86	4170.2

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

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