

## 5kV/8kV - EPR Insulation, PVC Jacket - Single Conductor

EPR Insulation - PVC Jacket  
MV-105-133% (5kV) or 100% (8kV)  
Shielded - Single Conductor - 5kV & 8kV



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

### Category Conductor Description:

- Annealed bare copper Compact, Class B stranding

### Category Insulation Description:

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

### Metallic Shield:

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

### 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)

### Extruded Strand Shield:

- Extruded thermoset semi-conducting stress control layer over conductor

### Extruded Insulation Shield:

- Thermoset semi-conducting polymeric layer free stripping from insulation

### Category Jacket Description:

- Flame-retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC)

### 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**

<b>Part#</b>	<b>Houston Wire &amp; Cable</b>	<b>Gauge</b>	<b>Stranding</b>	<b>Insulation Diameter Min</b>	<b>Insulation Diameter Max</b>	<b>Insulation Thickness</b>	<b>Jacket Thickness</b>	<b>Outside Diameter Inches</b>	<b>Material Weight (Lbs./M')</b>
MVE20601	HW20300601	6	7	.415"	.490"	0.115	0.06	0.65	294.5
MVE20401	HW20300401	4	7	.455"	.535"	0.115	0.06	0.7	365.4
MVE20201	HW20300201	2	7	.510"	.590"	0.115	0.06	0.76	467.9
MVE21/001	HW20310101	1/0	19	.580"	.655"	0.115	0.06	0.82	620.1
MVE22/001	HW20320101	2/0	19	.620"	.695"	0.115	0.06	0.86	721.5
MVE23/001	HW20330101	3/0	19	.665"	.745"	0.115	0.08	0.94	877.8
MVE24/001	HW20340101	4/0	19	.720"	.795"	0.115	0.08	1	1038.2
MVE225001	HW20325001	250	37	.770"	.850"	0.115	0.08	1.05	1182.3
MVE235001	HW20335001	350	37	.970"	.945"	0.115	0.08	1.14	1537.1
MVE250001	HW20350001	500	37	.990"	1.065"	0.115	0.08	1.27	2024.7
MVE275001	HW20375001	750	61	1.170"	1.250"	0.115	0.08	1.45	2917.8
MVE2100001	HW20310001	1000	61	1.320"	1.400"	0.115	0.08	1.6	3765.1

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

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