

## MEDIUM VOLTAGE POWER CABLE

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



CONSTRUCTION	
Conductor	<ul style="list-style-type: none"> <li>Annealed bare copper</li> <li>Compact, Class B stranding</li> </ul>
Extruded Strand Shield	<ul style="list-style-type: none"> <li>Extruded thermoset semi-conducting stress control layer over conductor</li> </ul>
Insulation	<ul style="list-style-type: none"> <li>Ethylene Propylene Rubber (EPR), colored to contrast with the black conducting shield layers</li> </ul>
Extruded Insulation Shield	<ul style="list-style-type: none"> <li>Thermoset semi-conducting polymeric layer free stripping from insulation</li> </ul>
Metallic Shield	<ul style="list-style-type: none"> <li>Annealed copper tape with an overlap of 25%</li> </ul>
Jacket	<ul style="list-style-type: none"> <li>Low-friction, flame retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC)</li> </ul>

### 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)

### Features:

- UL Listed as Type MV-105 for use in accordance with the NEC
- Sizes 1/0 AWG and larger are also listed and marked "Sunlight Resistant For CT Use" in accordance with the NEC
- Lower coefficient of friction for ease of installation
- Temperature Ratings: Normal 105°C, Emergency 140°C, Short Circuit 250°C

### Standards:

- National Electric Code (NEC)
- UL 1072
- UL listed as Type MV-105 for use in accordance with the NEC
- IEEE 1202
- OSHA Acceptable

Part #	AWG	Stranding	Insulation Thickness	Jacket Thickness	Nominal O.D. over Insulation	Nom. O.D.	Lbs./M'
MVE30201	2	7	.220"	.080"	.750"	1.01"	656
MVE30101	1	19	.220"	.080"	.790"	1.03"	733
MVE31/001	1/0	19	.220"	.080"	.830"	1.06"	820.8
MVE32/001	2/0	19	.220"	.080"	.870"	1.10"	930.3
MVE33/001	3/0	19	.220"	.080"	.920"	1.14"	1061.1
MVE34/001	4/0	19	.220"	.080"	.970"	1.21"	1237.2
MVE325001	250	37	.220"	.080"	1.02"	1.25"	1390.4
MVE335001	350	37	.220"	.080"	1.12"	1.35"	1760.8
MVE350001	500	37	.220"	.080"	1.25"	1.47"	2267.4
MVE375001	750	61	.220"	.080"	1.43"	1.65"	3189.8
MVE3100001	1000	61	.220"	.110"	1.59"	1.86"	4170.2

\*Accessories are available for all medium voltage products.

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