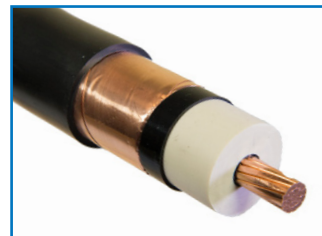


## EPR Insulation-PVC Jacket, MV-105-133% Insulation (25kV) or 100% (35kV), Shielded-Single Conductor



### Product Construction

#### Conductor:

- Annealed bare copper
- Compact, Class B stranding

#### Extruded Strand Shield:

- Extruded thermoset semi-conducting stress-control layer over conductor

#### Insulation:

- 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:

- Annealed copper tape with an overlap of 25%

#### Jacket:

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

### Applications

- Suitable for use in wet or dry locations when installed in accordance with NEC
- For 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" in accordance with the NEC
- Temperature Range: 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 NEC
- IEEE 1202
- OSHA Acceptable

# Medium Voltage Power Cable



Part #	AWG	Stranding	Insulation Thickness	Jacket Thickness	Nominal O.D. Over Insulation	Nom. O.D.	Lbs./M'
MVE41/001	1/0	19	.345"	.080"	1.08"	1.31"	1086.4
MVE42/001	2/0	19	.345"	.080"	1.12"	1.41"	1304
MVE43/001	3/0	19	.345"	.080"	1.17"	1.46"	1461
MVE44/001	4/0	19	.345"	.080"	1.22"	1.45"	1531.3
MVE425001	250	37	.345"	.080"	1.28"	1.57	1826
MVE435001	350	37	.345"	.080"	1.37"	1.67"	2235
MVE450001	500	37	.345"	.110"	1.50"	1.85"	2934
MVE475001	750	61	.345"	.110"	1.68"	2.06"	3962
MVE4100001	1000	61	.345"	.110"	1.84"	2.22"	4917

\*Accessories are available for all medium voltage products.

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