MV-105 15kV

Medium Voltage 15kV 133% Copper Conductor, Copper Tape Shielded Power Cable

SPECIFICATIONS & STANDARDS

CONSTRUCTION:
Conductor: Class B compact annealed uncoated copper.
Conductor Shield: Extruded layer of semiconducting compound applied under simultaneous triple extrusion process.
Insulation: Extruded layer of 105°C rated Ethylene Propylene Rubber (EPR).
Insulation Shield: Extruded layer of semiconducting compound applied by triple extrusion process.
Metallic Shield: 5 mil bare copper tape applied helically with a 25% overlap.
Jacket: Extruded layer of black sunlight resistant Polyvinyl Chloride (PVC).

FEATURES
- Durable construction allows for installation in practically any environment
- 105ºC insulation rating allows for higher ampacity rating of cable
- Continuous Conductor Operating Temperature 105ºC
- Emergency Overload Rating 140ºC
- Short Circuit Rating 250ºC
- UL listed as Type MV-105
- Oil and sunlight resistant
- Flame retardant PVC Jacket
- Listed for CT use for sizes 1/0 AWG and larger

APPLICATION
INDUSTRIAL AND COMMERCIAL
- Chemical and Petrochemical Plants
- Electrical Utility Plants
- Water Treatment Facilities
- Textile, Steel, and Paper Mills
- Airports
- Shopping Malls
- Military Bases
- Medical Facilities
- Sports Stadiums

INSTALLATIONS
- In Cable Tray
- Conduit in Air
- Aerial with Messenger Supported
- Direct Buried
- Underground Duct
- Wet and Dry Locations

FEATURES APPLICATION INSTALLATIONS

APPROVALS:
UL: E231073

<table>
<thead>
<tr>
<th>Conductor Size</th>
<th>Insulation Thickness</th>
<th>Dia. over Insulation</th>
<th>Jacket Thickness</th>
<th>Outer Diameter</th>
<th>Cable Weight</th>
<th>Ampacities*</th>
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<td></td>
<td>mls</td>
<td>inches</td>
<td>mls</td>
<td>inches</td>
<td>lbs/ft</td>
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* Ampacities in “Underground Duct” per NEC 2011 Table 310.60(C) (77). Ampacities “Isolated in Air” per NEC 2011 Table 310.60(C) (69). Ampacities “Direct Buried” per NEC 2011 Table 310.60(C) (81).

STANDARD PRINT LEGEND:
TF CABLE 15KV (SIZE) TYPE MV-105 SHIELDED COPPER EPR 133% INS LEVEL SUN RES FOR CT USE DIR BUR (UL) E231073

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