

MEDIUM VOLTAGE CABLE

Commercial, industrial, and utility



Medium voltage (MV) cable is suitable for use in wet or dry locations when installed in accordance with NEC. It is for use in aerial, direct burial, conduit, open tray, and underground duct installations.

Applications

MV cables are used in pulp and paper mills, petrochemical plants, steel mills, textile mills, water and sewage treatment plants, environmental protection systems, railroads, mines, and electrical utility generating plants.

Inventory

- 2.4kV to 35kV EPR MV power cable
- Single and multi-conductors
- 100% and 133% insulation levels
- Self-supporting aerial cable
- XLP and EPR insulation
- PVC and CPE jackets (lead free PVC available)
- Splices and terminations for MV cable

Where to Find Jobs & Why to Sell

WHERE can you find MV jobs?

Commercial, industrial, and utility projects. Keep an eye out and look for new construction and facility expansions.

WHY sell these cables?

The above are typically large projects and provide an excellent opportunity for pull-through business because these cables are installed in the early phases of a project.

How Omni Cable Can Help You!

- We cut custom lengths, offer paralleling and custom packaging, as well as help with project management.
- We stock lead-free and low friction MV cables & armored MV cables (Y2, Y3, XMVE1, XMVE2, XMVE3).
- We provide printable MV spec sheets on our website and training & education on MV cables.
- In addition, we stock TE Energy/Raychem terminations, splices, and other add-ons for your MV cable needs.

A close-up photograph of the end of a medium voltage cable, showing the internal conductors and the surrounding insulation layers. The cable is dark blue and has a cylindrical shape.

CONSTRUCTION

- Conductor**
 - Size/gauge - varies
 - Copper or aluminum
- Shielding**
 - Copper tape shield, common on Ethylene Propylene Rubber (EPR) constructions
 - Wire shield, common on Cross-Linked Polyethylene (XLPE) constructions
- Insulation**
 - Ethylene Propylene Rubber (EPR)
 - Cross-Linked Polyethylene (XLPE)
- Grounded or ungrounded:**
 - 133% insulation level = ungrounded
 - 100% insulation level = grounded
- Jacket**
 - Polyethylene (PE)
 - Polyvinyl Chloride (PVC)
 - Chlorinated Polyethylene (CPE)
 - Low Smoke Zero Halogen (LSZH)
- Voltage**
 - 5kV, 15kV, 35kV