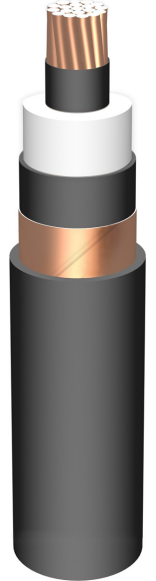


MV-105 15kV

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

SPECIFICATIONS & STANDARDS

UL 1072, ASTM B-496, ICEA S-93-639, ICEA S-97-682, AEIC CS8-2000, IEEE 383



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 an overlap.
- Jacket:** Extruded layer of black sunlight resistant Polyvinyl Chloride (PVC).

FEATURES	APPLICATION	INSTALLATIONS
<ul style="list-style-type: none"> - Durable construction allows for installation in practically any environment - 105°C insulation rating allows for higher ampacity rating of cable - Continuous Conductor Operating Temperature 105°C - Emergency Overload Rating 140°C - Short Circuit Rating 250°C - 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 	INDUSTRIAL AND COMMERCIAL <ul style="list-style-type: none"> - Chemical and Petrochemical Plants - Electrical Utility Plants - Water Treatment Facilities - Textile, Steel, and Paper Mills - Airports - Shopping Malls - Military Bases - Medical Facilities - Sports Stadiums 	<ul style="list-style-type: none"> - In Cable Tray - Conduit in Air - Aerial with Messenger Supported - Direct Buried - Underground Duct - Wet and Dry Locations

APPROVALS:

UL: E231073

Conductor Size	Insulation Thickness	Dia. over insulation	Jacket Thickness	Outer Diameter	Cable Weight	Ampacities*		
						Isolated in Air	Direct Buried	Underground Duct
AWG or kcmil	mils	inches	mils	inches	lbs/ft	Amps		
2 AWG	220	0.75	80	1.03	593	215	225	165
1 AWG		0.79	80	1.05	700	250	260	185
1/0 AWG		0.82	80	1.09	770	290	295	215
2/0 AWG		0.86	80	1.13	865	335	335	245
3/0 AWG		0.92	80	1.17	1040	385	380	275
4/0 AWG		0.97	80	1.21	1165	445	435	315
250 MCM		1.02	80	1.30	1320	495	475	345
350 MCM		1.12	80	1.40	1680	610	575	415
500 MCM		1.26	80	1.52	2200	765	700	500
750 MCM		1.41	110	1.77	3115	990	865	610
1000 MCM		1.97	110	1.95	4060	1185	1005	690

* 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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