



## Copper Single Conductor 15KV 133% MV-105 EPR/PVC Copper Tape Shield

Part Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (inches)	Insulation Diameter (inches)	Insulation Shield Diameter (inches)	Jacket Diameter (inches)	Cable Weight lbs./1000 ft.	Ampacity (Amps)	
								105°C In Duct	105°C In Air
2-0115KVEPUCMV105	2	220	0.266	0.760	0.820	1.000	650	165	215
1-0115KVEPUCMV105	1	220	0.299	0.790	0.850	1.030	724	185	250
1/0-0115KVEPUCMV105	1/0	220	0.341	0.830	0.890	1.070	820	215	290
2/0-0115KVEPUCMV105	2/0	220	0.376	0.870	0.930	1.110	928	245	335
3/0-0115KVEPUCMV105	3/0	220	0.423	0.920	0.970	1.150	1067	275	385
4/0-0115KVEPUCMV105	4/0	220	0.479	0.970	1.030	1.210	1236	315	445
250-0115KVEPUCMV105	250	220	0.522	1.020	1.090	1.280	1405	345	495
350-0115KVEPUCMV105	350	220	0.622	1.120	1.190	1.380	1780	415	610
500-0115KVEPUCMV105	500	220	0.742	1.240	1.310	1.500	2322	500	765
750-0115KVEPUCMV105	750	220	0.917	1.420	1.500	1.740	3340	610	990
1000-0115KVEPUCMV105	1000	220	1.071	1.580	1.670	1.910	4225	690	1185

All values are nominal and subject to correction

- Application:** 15KV Shielded MV-105 cable is primarily used for power circuits in commercial, industrial, refinery and petrochemical plants; utility power generation and substations. The cable can be installed in wet or dry applications in cable tray sizes 1/0 & larger, duct, open air and direct burial. The cable is approved for temperature up to 105°C and voltages up to 15000 volts.
- Conductors:** Class B Compact concentric strand soft drawn annealed copper per ASTM.
- Conductor Shield:** Extruded thermosetting semiconducting shield which is free stripping from the conductor and bonded to the insulation.
- Insulation:** Natural high dielectric strength EPR-based insulation, combined with other materials and agents that enhance the electrical and mechanical characteristics assuring extended cable life.
- Insulation Shield:** Extruded thermosetting semiconducting shield with controlled adhesion to the insulation providing the required balance between electrical integrity and ease of stripping.
- Metallic Shield:** Helically applied non-magnetic copper tape(s) over the insulation shield with a minimum overlap of 25%.
- Jacket:** Black sunlight resistant, non-migrating, polyvinyl chloride (PVC) jacket applied over the copper tape.
- Standards:** AEIC CS8  
ICEA S-93-639  
ICEA S-97-682  
UL 1072  
IEEE 383 Flame Test  
IEEE 1202 Flame Test  
CSA C68.10

**1-800-945-5542**

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