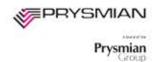


Aluminum Medium Voltage Power Cable





5 Year Standard Warranty on Full Cable System Inquire with Representative



15kV 1/C EPR MV-105 POWER (Tape Shield)

133% Medium Voltage Commercial & Industrial Cables

Description

Single conductor cable with stranded aluminum conductor, triple extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength EPROTENAX™ EPR insulation, thermosetting semiconducting insulation shield, helically applied bare copper tape shield, and black PVC jacket.

Specifications

Ratings

AEIC- AEIC CS8 ICEA- ICEA S-93-639 ICEA- ICEA S-97-682

Type MV-105 **UL- UL-1072**

Sunlight Resistant

For CT USE (1/0 AWG & Larger)

ICEE- IEEE 383 Flame Test (1/0 AWG and Larger) ICEE- IEEE 1202 Flame Test (250 MCM and Larger)

For 105°C continuous, 140°C emergency, 250°C short-circuit operation.

Design Parameters

CONDUCTOR: Class B Compressed concentric strand aluminum alloy 1350

CONDUCTOR SHIELD: Extruded thermosetting semiconducting shield which is free stripping from the conductor and bonded to the insulation.

INSULATION: Natural high dielectric strength EPROTENAX™ 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 nominal overlap of 25%.

JACKET: Black, sunlight resistant, polyvinyl chloride (PVC) jacket tightly applied over the copper tape.



Conductor

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Cobonesin Depth

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			(A)	(B)	(C)	(D)			\$105°C In Duct	\$105°C In Ai
kV 133% Aluminum One Conductor										
*	2 AWG AL	220	0.266	0.74	0.80	0.96	484	12	130	170
	1AWG AL	220	0.299	0.78	0.83	1.00	521	12	145	195
*	1/0 AWG AL	220	0.336	0.81	0.87	1.03	566	13	165	225
*	2/0 AWG AL	220	0.379	0.86	0.91	1.08	620	13	190	260
	3/0 AWG AL	220	0.423	0.90	0.96	1.12	683	14	215	300
*	4/0 AWG AL	220	0.479	0.96	1.01	1.18	761	15	245	350
*	250 MCM AL	220	0.522	1.01	1.06	1.23	834	15	270	385
*	350 MCM AL	220	0.622	1.11	1.16	1.33	992	16	330	480
*	500 MCM AL	220	0.742	1.23	1.28	1.45	1216	18	400	600
*	750 MCM AL	220	0.917	1.41	1.47	1.63	1574	20	490	780
	1000 MCM AL	220	1.071	1.57	1.62	1.84	2028	23	565	940

Denotes Stock Item PRODUCT NOTES:

Prysmian

tAmpacities are based on the following

Three Phase Operation

n Duct per 20th NEC Table 310.60(1)(78): Three-oo able in plastic durt, direct-buried, 105°C conducto 10°C ambient temperature, earth SHO of 90°C-cm, 00°L load factor, and shields short-circuited.

solated in Air ger 2011 NEC Table 310.600(2(70): The able, 105°C conductor temperature, and 40°C ambi-ore, and shields grounded at one point only.

in Cable Tray Per 2011 NEC 392.80(8)(2)(b): Single conductor cables, sizes 1/0 AVXC and larger, installed in a single layer is concerned table tray, with a maintained space of not less this one cable dismeter between included all conductors, the amputability of conductors, the amputability of conductors, the amputability of conductors, the amputability of conductors of the amputability of the amputability



Installation



Conduit in Air



Underground Duct



Direct Buried



With Messenger





Industrial



