

MEDIUM VOLTAGE POWER CABLE

TYPE MV-105 - SHIELDED EPR POWER CABLE,
100% AND 133% INSULATION LEVEL, 35000 VOLT, CT USE

Construction

Conductor:

- Uncoated annealed Class B, concentric compressed round copper strand per ASTM 8.

Conductor Shield:

- Extruded semiconducting thermosetting compound bonded to the insulation.

Insulation:

- EPR (Ethylene Propylene Rubber).

Insulation Shield:

- Thermosetting extruded semiconducting compound applied tightly over the insulation.

Metallic Shield:

- Uncoated annealed 0.005" copper tape shield, helically applied, 12.5% overlap.

Jacket:

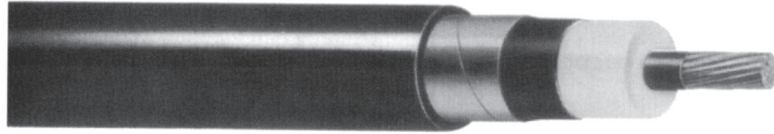
- Black PVC sunlight resistant per ICEA.

Application:

- Cable is suitable for use in dry or wet locations at conductor temperatures not exceeding 105°C normal use, 140°C emergency overload, 250°C short circuit. All sizes may be installed in conduit, duct, or directly buried, as permitted by the National Electrical Code.

Standards:

- Conductor Operating Temperatures +90°C continuous, +130°C emergency operation, +250°C short circuit rating. Meets ICEA S-68-516/NEMA WC8. Meets AEIC No. 6 UL 1072 (latest revision), AEIC C58, UL 1072.



CUSTOM CATALOG NUMBER	SIZE	STRAND	NOMINAL THICKNESS (INCHES)		NOMINAL O.D.	NOMINAL WEIGHT
	AWG/MCM		INSULATION	JACKET	INCHES	LBS/MFT
35KV 100% EPR INSULATION .005 COPPER TAPE SHIELD PVC JACKET (25KV 133%)						
25310	1/0	19	.345	0.80	1.34	1071
25311	2/0	19	.345	0.80	1.39	1189
25312	3/0	19	.345	0.80	1.44	1340
25313	4/0	19	.345	0.80	1.49	1523
25314	250	37	.345	0.80	1.54	1688
25315	350	37	.345	0.80	1.64	2089
25316	500	37	.345	0.110	1.83	2761
25317	750	61	.345	0.110	2.03	3706
25318	1000	61	.345	0.110	2.19	4607
35KV 133% EPR INSULATION .005 COPPER TAPE SHIELD PVC JACKET						
25320	1/0	19	.420	0.80	1.537	1299
25321	2/0	19	.420	0.80	1.581	1429
25322	3/0	19	.420	0.80	1.631	1597
25323	4/0	19	.420	0.110	1.722	1878
25324	250	37	.420	0.110	1.769	2080
25325	350	37	.420	0.110	1.903	2525
25326	500	37	.420	0.110	2.049	3130
25327	750	61	.420	0.110	2.238	3966
25328	1000	61	.420	0.110	2.387	5048

NOTE: Size 1/0 and larger UL Listed for CT use.
May also be supplied with a CPE jacket.

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Custom Cable Corp.



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