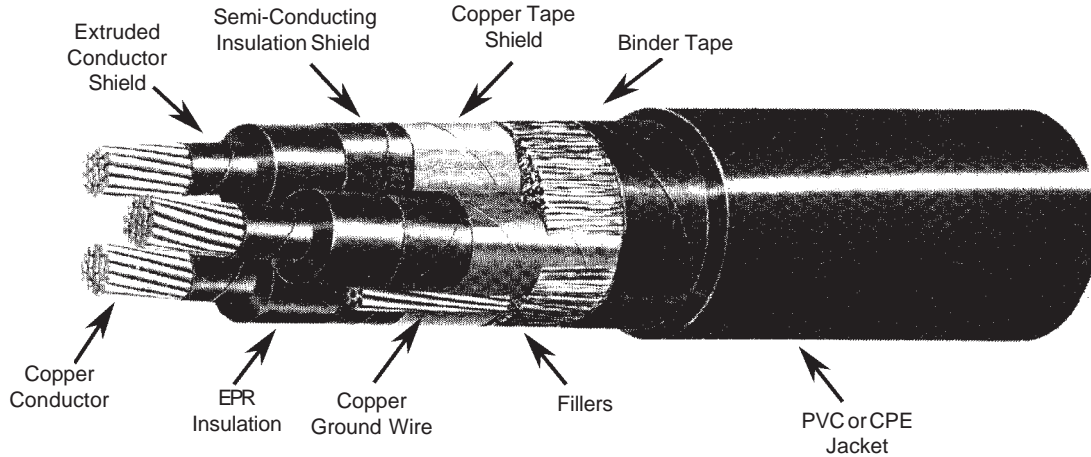


EPR POWER CABLE, SHIELDED, 5000 VOLT, TYPE MV-105

SPEC 2-61-5
Ver. 7.0
Revised: 08/13/07



105°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% OR 133% INSULATION LEVEL

Conductor			Insulation in Mils	Overall Jacket in Mils	Size AWG ¹ Copper Ground Wire	Approximate O.D. in Inches	Ampacity** 40°C Ambient	Approximate Net Weight LBS/KFT
Size AWG or KCMIL	No. of Strands	Nominal O.D.						

THREE CONDUCTOR 5000 VOLT SHIELDED

8*	7	0.14	90	80	8	1.17	66	735
6*	7	0.18	90	80	6	1.24	88	915
4*	7	0.23	90	80	6	1.34	115	1135
2	7	0.27	90	80	6	1.43	154	1440
1*	19	0.32	90	80	4	1.55	180	1745
1/0	19	0.34	90	80	4	1.58	205	1980
2/0	19	0.38	90	80	4	1.66	240	2310
3/0	19	0.42	90	110	3	1.83	280	2855
4/0	19	0.48	90	110	3	1.94	320	3375
250	37	0.52	90	110	2	2.07	355	3915
350	37	0.62	90	110	2	2.28	440	5065
500	37	0.74	90	110	1	2.53	545	6810
750	61	0.91	90	140	1/0	3.05	685	9970
1000*	61	1.12	90	140	2/0	3.49	790	12960

Note: **Based on one three conductor cable isolated in air per NEC. For other installations refer to the NEC.
*Compressed conductors.

The above data is approximate and subject to normal manufacturing tolerances.

STANDARDS AND RATINGS:

1. Listed by UL as Type MV-105 per Standard 1072.
2. Conforms to ICEA S-93-639/NEMA WC74 Shielded Power Cable 5 - 46KV.
3. Listed by UL as Sunlight Resistant, for Direct Burial and For CT Use.
4. Listed by CSA as Type Power Cable per Standard CSA C68.3 (with -40°C PVC jacket).

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