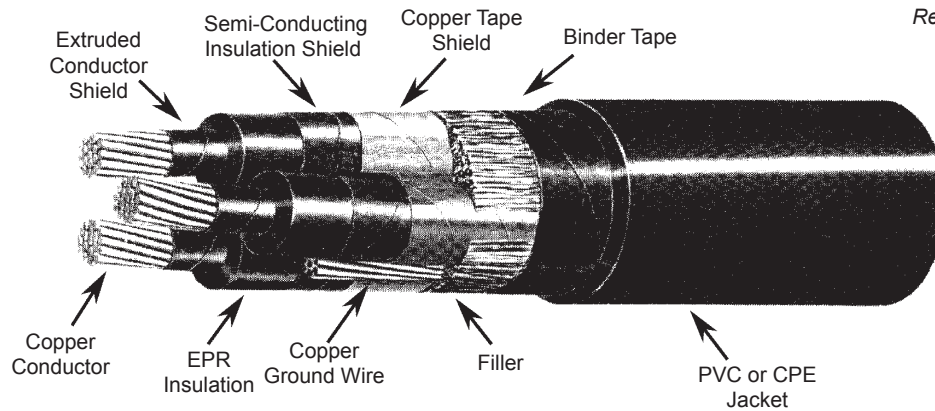


EPR POWER CABLE, SHIELDED, 5000/8000 VOLT, TYPE MV-105

SPEC 2-61-6

Ver. 7.1

Revised: 12/30/08



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

Conductor			Insulation in Mils	Overall Jacket in Mils	Size AWG 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 (133%) or 8000 VOLT (100%) SHIELDED

6*	7	0.18	115	80	6	1.36	105	1020
4*	7	0.23	115	80	6	1.45	135	1245
2	7	0.27	115	80	6	1.54	185	1560
1*	19	0.32	115	80	4	1.66	210	1870
1/0	19	0.34	115	80	4	1.75	240	2200
2/0	19	0.38	115	110	4	1.84	275	2545
3/0	19	0.42	115	110	3	1.94	315	3005
4/0	19	0.48	115	110	3	2.05	360	3530
250	37	0.52	115	110	2	2.18	400	4085
350	37	0.62	115	110	2	2.39	490	5245
500	37	0.74	115	110	1	2.69	600	7090
750	61	0.91	115	140	1/0	3.16	745	10210
1000*	61	1.12	115	140	2/0	3.60	860	13230

THREE CONDUCTOR 8000 VOLT SHIELDED, 133% INSULATION LEVEL

6*	7	0.18	140	80	6	1.47	105	1135
4*	7	0.23	140	80	6	1.56	135	1365
2	7	0.27	140	80	6	1.66	185	1685
1*	19	0.32	140	110	4	1.84	210	2105
1/0	19	0.34	140	110	4	1.87	240	2345
2/0	19	0.38	140	110	4	1.95	275	2695
3/0	19	0.42	140	110	3	2.06	315	3160
4/0	19	0.48	140	110	3	2.17	360	3695
250	37	0.52	140	110	2	2.29	400	4255
350	37	0.62	140	110	2	2.50	490	5435
500	37	0.74	140	140	1	2.87	600	7455
750	61	0.91	140	140	1/0	3.28	745	10455
1000*	61	1.12	140	140	2/0	3.72	860	13510

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, For CT Use and IEEE 1202.
4. Listed by CSA as Type Power Cable per Standard CSA C68.3 (with -40°C PVC jacket).

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