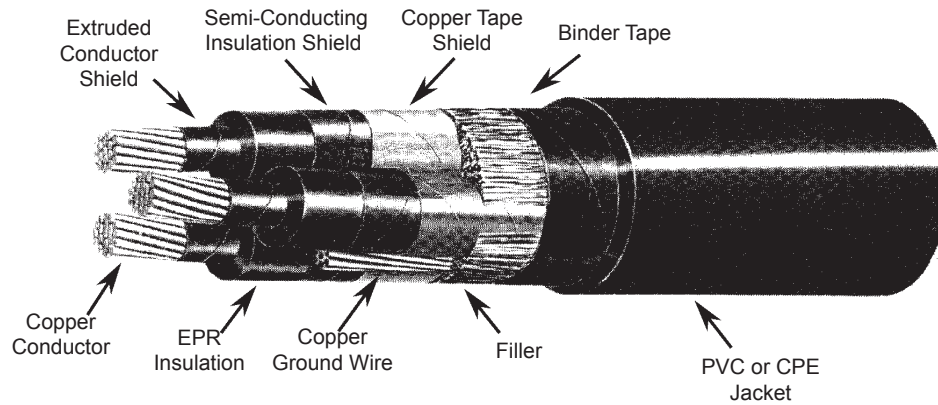


# EPR POWER CABLE, SHIELDED, 25000/28000 VOLT, TYPE MV-105

**SPEC 2-61-8**

Ver. 7.1

Revised: 12/30/08



## 105°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% 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 25000 VOLT SHIELDED, 100% INSULATION LEVEL

1*	19	0.32	260	110	4	2.38	210	2890
1/0	19	0.34	260	110	4	2.41	240	3140
2/0	19	0.38	260	110	4	2.50	275	3520
3/0	19	0.42	260	110	3	2.64	315	4100
4/0	19	0.48	260	140	3	2.82	360	4830
250	37	0.52	260	140	2	2.95	400	5445
350	37	0.62	260	140	2	3.16	490	6715
500	37	0.74	260	140	1	3.41	600	8605
750	61	0.91	260	140	1/0	3.88	745	11870

### THREE CONDUCTOR 28000 VOLT SHIELDED, 100% INSULATION LEVEL

1*	19	0.32	280	110	4	2.47	210	3040
1/0	19	0.34	280	110	4	2.50	240	3290
2/0	19	0.38	280	110	4	2.59	275	3675
3/0	19	0.42	280	110	3	2.73	315	4265
4/0	19	0.48	280	140	3	2.91	360	5005
250	37	0.52	280	140	2	3.04	400	5630
350	37	0.62	280	140	2	3.25	490	6905
500	37	0.74	280	140	1	3.50	600	8810
750	61	0.91	280	140	1/0	3.97	745	12105

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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