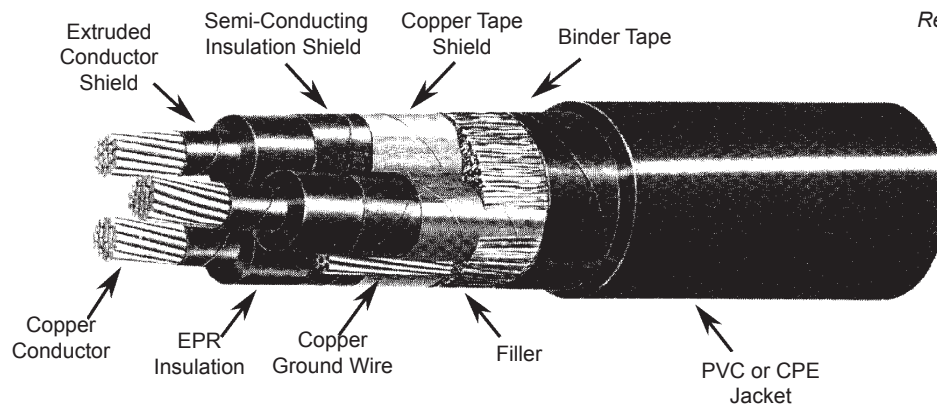


EPR POWER CABLE, SHIELDED, 25000/28000 VOLT, TYPE MV-105

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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