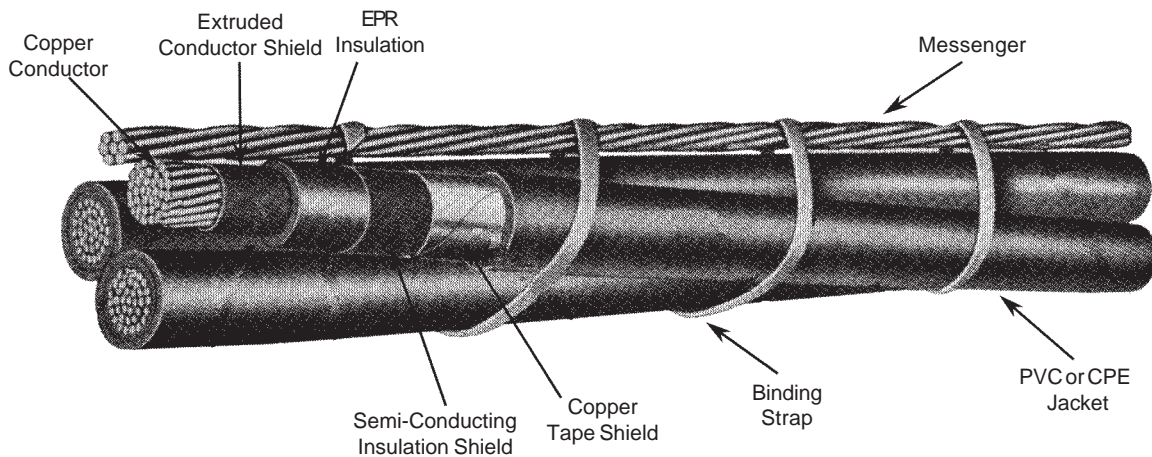


EPR, PREASSEMBLED AERIAL CABLE, SHIELDED 5000 VOLT, TYPE MV-105

SPEC 5-64-1

Ver. 7.0

Revised: 06/05/06



90°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% OR 133% INSULATION LEVEL

| Conductor | | | Insulation in Mils | Individual Conductor Jacket in Mils | Size Messenger* | | Approximate O.D. in Inches | Ampacity** 40°C Ambient | Approximate Net Weight LBS/KFT |
|----------------------|-------------------|-----------------|-----------------------|--|---------------------------------|---------------------|----------------------------------|-------------------------------|---|
| Size AWG or KCMIL | No. of Strands | Nominal O.D. | | | 30% EHS Copper Clad Steel | Galvanized Steel | | | |

THREE CONDUCTOR 5000 VOLT SHIELDED

| | | | | | | | | | |
|-------|----|------|----|----|--------|-------|------|-----|-------|
| 6* | 7 | 0.18 | 90 | 60 | 3 - #8 | 1/4" | 1.69 | 90 | 945 |
| 4* | 7 | 0.23 | 90 | 60 | 3 - #8 | 1/4" | 1.79 | 120 | 1155 |
| 2 | 7 | 0.27 | 90 | 60 | 3 - #8 | 1/4" | 1.89 | 160 | 1445 |
| 1* | 19 | 0.32 | 90 | 60 | 3 - #8 | 1/4" | 2.00 | 185 | 1685 |
| 1/0 | 19 | 0.34 | 90 | 60 | 5/16" | 5/16" | 2.07 | 215 | 1980 |
| 2/0 | 19 | 0.38 | 90 | 60 | 5/16" | 5/16" | 2.16 | 250 | 2295 |
| 3/0 | 19 | 0.42 | 90 | 80 | 3/8" | 5/16" | 2.41 | 290 | 2910 |
| 4/0 | 19 | 0.48 | 90 | 80 | 3/8" | 3/8" | 2.52 | 335 | 3405 |
| 250 | 37 | 0.61 | 90 | 80 | 7/16" | 3/8" | 2.70 | 375 | 3965 |
| 350 | 37 | 0.71 | 90 | 80 | 1/2" | 7/16" | 2.98 | 465 | 5175 |
| 500 | 37 | 0.74 | 90 | 80 | 9/16" | 1/2" | 3.30 | 580 | 6920 |
| 750 | 61 | 0.91 | 90 | 80 | 21/32" | 5/8" | 3.77 | 750 | 9915 |
| 1000* | 61 | 1.12 | 90 | 80 | --- | 3/4" | 4.33 | 880 | 12870 |

Note: **Based on cable in air per NEC Table 310.67.

*Heavy loading span 150 ft.; Maximum sag at 60°F: 2.5 ft.

*Compressed conductors.

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

STANDARDS AND RATINGS:

1. Conductors are Listed by UL as Type MV-90/MV-105 per Standard 1072.
3. Conforms to ICEA S-93-639/NEMA WC74 Shielded Power Cable 5 - 46KV.
4. Conforms to ICEA P-79-561 Guide for Selecting Aerial Cable Messengers and Lashing Wires.

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