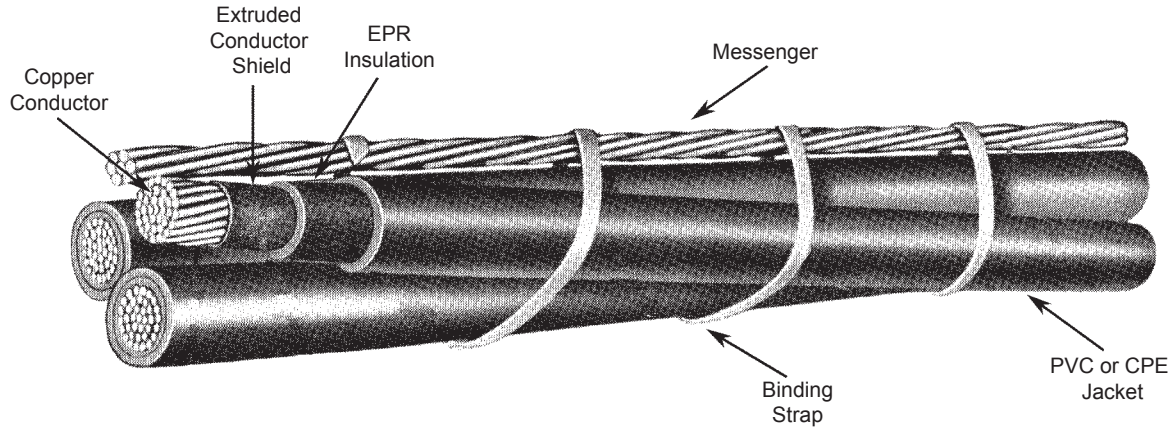


**EPR, PREASSEMBLED AERIAL CABLE, NON-SHIELDED  
2400V (5000V<sup>-</sup>), TYPE MV-90, WET OR DRY**

**SPEC 5-54-1**  
Ver. 7.1  
Revised: 01/20/09



**90°C CONDUCTOR TEMPERATURE**

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

**THREE CONDUCTOR 2400 VOLT NON-SHIELDED**

|       |    |      |     |     |        |       |      |     |       |
|-------|----|------|-----|-----|--------|-------|------|-----|-------|
| 6*    | 7  | 0.18 | 125 | 80  | 3-#8   | 1/4"  | 1.95 | 90  | 945   |
| 4*    | 7  | 0.23 | 125 | 80  | 3-#8   | 1/4"  | 2.05 | 120 | 1150  |
| 2     | 7  | 0.27 | 125 | 80  | 3-#8   | 1/4"  | 2.14 | 160 | 1440  |
| 1*    | 19 | 0.32 | 125 | 80  | 3-#8   | 1/4"  | 2.26 | 185 | 1675  |
| 1/0   | 19 | 0.34 | 125 | 80  | 5/16"  | 5/16" | 2.32 | 215 | 1965  |
| 2/0   | 19 | 0.38 | 125 | 80  | 5/16"  | 5/16" | 2.41 | 250 | 2280  |
| 3/0   | 19 | 0.42 | 125 | 95  | 3/8"   | 5/16" | 2.64 | 290 | 2870  |
| 4/0   | 19 | 0.48 | 125 | 95  | 3/8"   | 3/8"  | 2.75 | 335 | 3360  |
| 250   | 37 | 0.61 | 140 | 110 | 7/16"  | 3/8"  | 3.07 | 375 | 4085  |
| 350   | 37 | 0.71 | 140 | 110 | 1/2"   | 7/16" | 3.34 | 465 | 5295  |
| 500   | 37 | 0.87 | 140 | 110 | 9/16"  | 1/2"  | 3.73 | 580 | 7160  |
| 750   | 61 | 0.91 | 155 | 125 | 23/32" | 5/8"  | 4.27 | 750 | 10230 |
| 1000* | 61 | 1.12 | 155 | 125 | ----   | 3/4"  | 4.83 | 880 | 13250 |

**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.  
-ICEA voltage class.

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

**Standards:**

1. Conductors are Listed by UL as Type MV-90 per Standard 1072.
2. Conforms to ICEA S-96-659/NEMA WC71 Nonshielded Power 2001 - 5KV Cables.
3. Conforms to ICEA P-79-561 Guide for Selecting Aerial Cable Messengers and Lashing Wires.

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