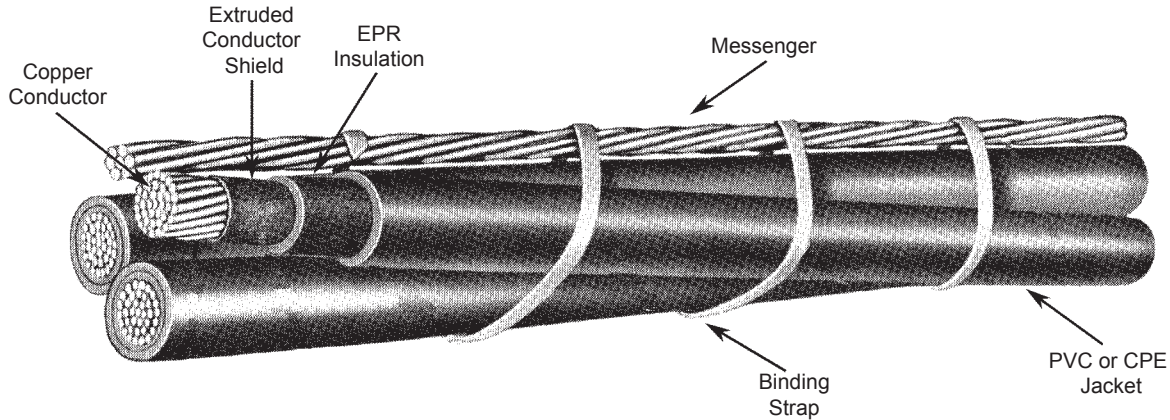


**EPR, PREASSEMBLED AERIAL CABLE, NON-SHIELDED
2400V (5000V⁻), TYPE MV-90, WET OR DRY**

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



90°C CONDUCTOR TEMPERATURE

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 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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