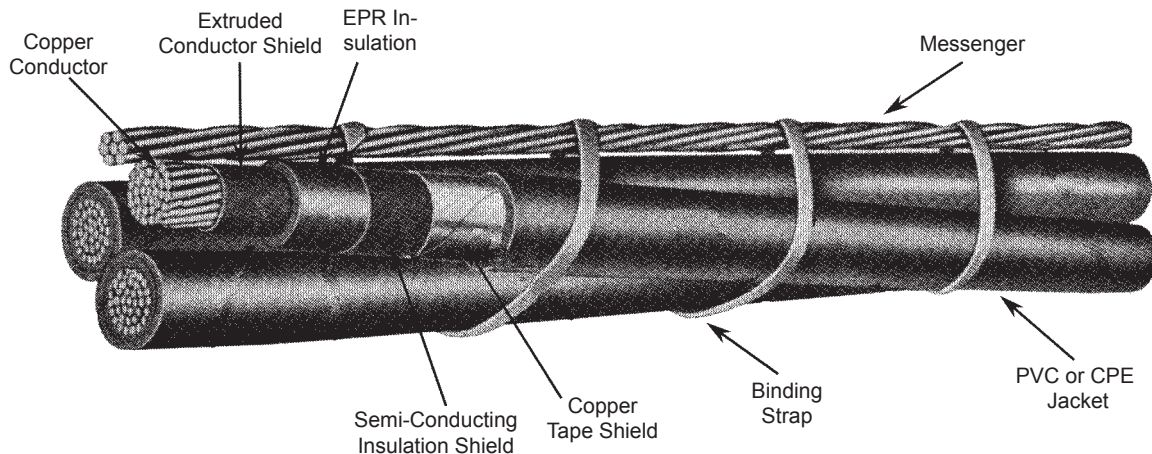


**EPR, PREASSEMBLED AERIAL CABLE, SHIELDED
5000 VOLT, TYPE MV-105**

SPEC 5-64-1
Ver. 7.1
Revised: 12/04/08



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	0.87	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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