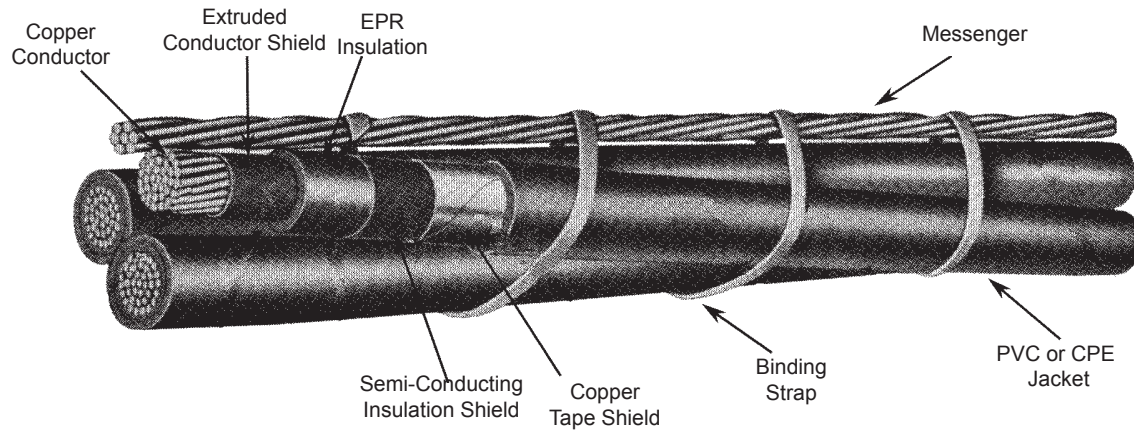


**EPR, PREASSEMBLED AERIAL CABLE, SHIELDED  
15000 VOLT, TYPE MV-105**

**SPEC 5-64-2**

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 15000 VOLT SHIELDED, 100% INSULATION LEVEL**

2	7	0.27	175	80	5/16"	5/16"	2.39	170	1995
1*	19	0.32	175	80	5/16"	5/16"	2.51	195	2265
1/0	19	0.34	175	80	3/8"	5/16"	2.60	225	2625
2/0	19	0.38	175	80	3/8"	3/8"	2.69	260	2965
3/0	19	0.42	175	80	3/8"	3/8"	2.79	300	3385
4/0	19	0.48	175	80	7/16"	3/8"	2.96	345	3990
250	37	0.61	175	80	1/2"	7/16"	3.15	380	4595
350	37	0.71	175	80	9/16"	1/2"	3.42	470	5940
500	37	0.87	175	80	9/16"	9/16"	3.68	580	7605
750	61	0.91	175	80	23/32"	3/4"	4.26	730	10860
1000*	61	1.12	175	110	---	3/4"	4.84	850	14055

**THREE CONDUCTOR 15000 VOLT SHIELDED, 133% INSULATION LEVEL**

2	7	0.27	220	80	5/16"	5/16"	2.60	170	2245
1*	19	0.32	220	80	3/8"	5/16"	2.78	195	2650
1/0	19	0.34	220	80	3/8"	3/8"	2.81	225	2885
2/0	19	0.38	220	80	3/8"	3/8"	2.89	260	3235
3/0	19	0.42	220	80	7/16"	3/8"	3.05	300	3755
4/0	19	0.48	220	80	7/16"	7/16"	3.17	345	4280
250	37	0.61	220	80	1/2"	7/16"	3.36	380	4965
350	37	0.71	220	80	9/16"	1/2"	3.63	470	6270
500	37	0.87	220	80	9/16"	9/16"	3.89	580	7965
750	61	0.91	220	110	23/32"	3/4"	4.60	730	11545
1000*	61	1.12	220	110	---	3/4"	5.05	850	14520

**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.
2. Conforms to ICEA S-93-639/NEMA WC74 Shielded Power Cable 5 - 46KV.
3. Conforms to ICEA P-79-561 Guide for Selecting Aerial Cable Messengers and Lashing Wires.

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