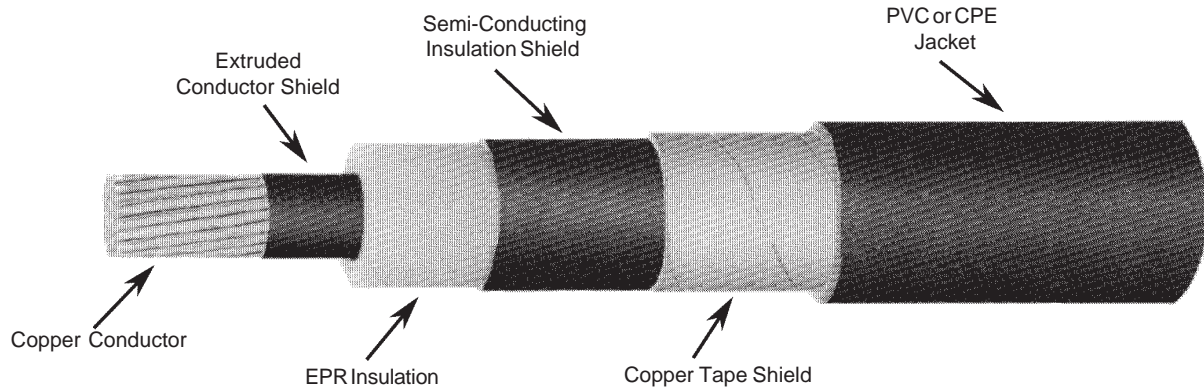


**EPR POWER CABLE, SHIELDED, 25000/28000 VOLT OR 35000 VOLT, SPEC 2-61-4.1**  
**TYPE MV-105, AEIC CS8<sup>1</sup>**

Ver. 7.0  
 Revised: 06/11/08



**105°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% OR 133% INSULATION LEVEL**

Conductor			Insulation in Mils	Jacket in Mils	Approximate O.D. in Inches		Ampacity** 40°C Ambient	Approximate Net Weight LBS/KFT
Size AWG or KCMIL	No. of Strands	Nominal O.D.			Over Insulation	Overall		

**SINGLE CONDUCTOR 25000/28000 VOLT 133% OR 35000 VOLT 100% INSULATION LEVEL**

1*	19	0.32	345	80	1.06	1.38	190	1015
1/0	19	0.34	345	80	1.09	1.39	215	1095
2/0	19	0.38	345	80	1.13	1.43	255	1215
3/0	19	0.42	345	80	1.17	1.48	290	1365
4/0	19	0.48	345	80	1.22	1.53	330	1545
250	37	0.52	345	80	1.2.8	1.59	365	1720
350	37	0.62	345	80	1.38	1.68	440	2115
500	37	0.74	345	110	1.50	1.88	535	2815
750	61	0.91	345	110	1.68	2.08	655	3780

**SINGLE CONDUCTOR 35000 VOLT, 133% INSULATION LEVEL**

1/0	19	0.34	420	80	1.24	1.55	215	1280
2/0	19	0.38	420	80	1.29	1.59	255	1405
3/0	19	0.42	420	80	1.34	1.63	290	1560
4/0	19	0.48	420	80	1.39	1.69	330	1745
250	37	0.52	420	110	1.45	1.80	365	2030
350	37	0.62	420	110	1.55	1.92	440	2470
500	37	0.74	420	110	1.67	2.04	535	3065
750	61	0.91	420	110	1.86	2.24	655	4050

Note: \*\*Based on three single conductor cables in isolated conduit in air per NEC.  
 \*Compressed conductors.  
<sup>1</sup>Must be specified at time of order.

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

**STANDARDS AND RATINGS:**

1. Listed by UL as Type MV-105 per Standard 1072.
2. Conforms to ICEA S-93-639/NEMA WC74 Shielded Power Cable 5 - 46KV.
3. Conforms to ICEA S-97-682 Utility Shielded Power Cables 5 - 46KV upon request.
4. All sizes are listed by UL as Sunlight Resistant and sizes #1/0 AWG & larger are listed For CT Use.
5. Conforms to AEIC CS8 upon request.
6. Listed by CSA as Type Power Cable per Standard CSA C68.3 (with -40°C PVC jacket).

AETNA INSULATED WIRE, INC.  
 1537 AIR RAIL AVENUE, VIRGINIA BEACH, VA 23455  
 TELEPHONE: (800) 423-6505 FAX: (757) 605-2094  
 WWW.AETNAWIRE.COM

