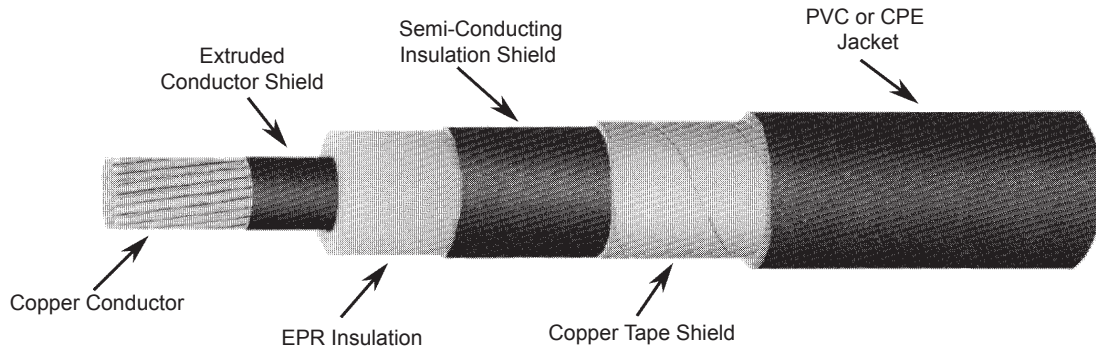


**EPR POWER CABLE, SHIELDED, 25000/28000 VOLT, TYPE MV-105, AEIC CS8<sup>1</sup>**

**SPEC 2-61-4**  
Ver. 7.1  
Revised: 12/30/08



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

1*	19	0.32	260	80	0.90	1.18	190	810
1/0	19	0.34	260	80	0.92	1.20	215	890
2/0	19	0.38	260	80	0.96	1.24	255	1000
3/0	19	0.42	260	80	1.00	1.31	290	1165
4/0	19	0.48	260	80	1.06	1.35	330	1340
250	37	0.52	260	80	1.11	1.41	365	1505
350	37	0.62	260	80	1.21	1.51	440	1885
500	37	0.74	260	80	1.33	1.67	535	2440
750	61	0.91	260	110	1.52	1.90	655	3495
1000*	61	1.12	260	110	1.72	2.10	755	4435

**SINGLE CONDUCTOR 28000 VOLT, 100% INSULATION LEVEL**

1*	19	0.32	280	80	0.94	1.24	190	850
1/0	19	0.34	280	80	0.95	1.25	215	930
2/0	19	0.38	280	80	0.99	1.28	255	1045
3/0	19	0.42	280	80	1.04	1.35	290	1210
4/0	19	0.48	280	80	1.10	1.41	330	1385
250	37	0.52	280	80	1.16	1.46	365	1555
350	37	0.62	280	80	1.25	1.55	440	1940
500	37	0.74	280	110	1.37	1.68	535	2495
750	61	0.91	280	110	1.56	1.94	655	3560
1000*	61	1.12	280	110	1.76	2.14	755	4510

Note: \*\*Based on three single conductor cables in isolated conduit in air per NEC.

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

\*Compressed conductors.

<sup>1</sup>Must be specified at time of order.

**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. Sizes 1/0AWG & larger are listed by UL for IEEE 1202 (must be 2/0AWG & larger if CPE jacket).
6. Conforms to AEIC CS8 upon request.
7. 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

