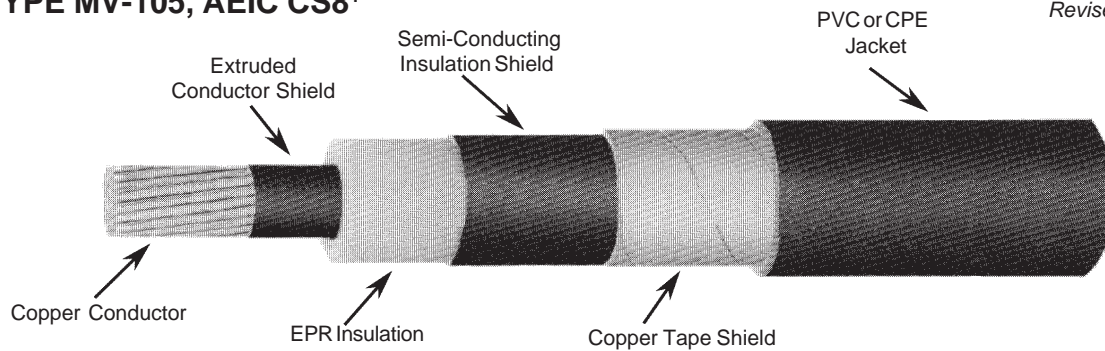


**EPR POWER CABLE, SHIELDED, 15000 VOLT,
TYPE MV-105, AEIC CS8¹**

SPEC 2-61-3

Ver. 7.0

Revised: 03/28/07



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 15000 VOLT SHIELDED, 100% INSULATION LEVEL

2	7	0.27	175	80	0.67	0.95	165	565
1*	19	0.32	175	80	0.73	1.00	190	655
1/0	19	0.34	175	80	0.74	1.01	215	730
2/0	19	0.38	175	80	0.78	1.05	255	835
3/0	19	0.42	175	80	0.83	1.10	290	970
4/0	19	0.48	175	80	0.88	1.15	330	1135
250	37	0.52	175	80	0.94	1.21	365	1295
350	37	0.62	175	80	1.03	1.33	440	1685
500	37	0.74	175	80	1.15	1.45	535	2220
750	61	0.91	175	80	1.34	1.64	655	3115
1000*	61	1.12	175	110	1.54	1.92	755	4150

SINGLE CONDUCTOR 15000 VOLT SHIELDED, 133% INSULATION LEVEL

2	7	0.27	220	80	0.76	1.04	165	645
1*	19	0.32	220	80	0.82	1.09	190	735
1/0	19	0.34	220	80	0.83	1.11	215	810
2/0	19	0.38	220	80	0.87	1.15	255	920
3/0	19	0.42	220	80	0.92	1.19	290	1060
4/0	19	0.48	220	80	0.97	1.25	330	1230
250	37	0.52	220	80	1.03	1.32	365	1415
350	37	0.62	220	80	1.13	1.42	440	1790
500	37	0.74	220	80	1.25	1.54	535	2330
750	61	0.91	220	110	1.44	1.80	655	3340
1000*	61	1.12	220	110	1.63	2.01	755	4300

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

*Compressed conductors.

¹Must 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

