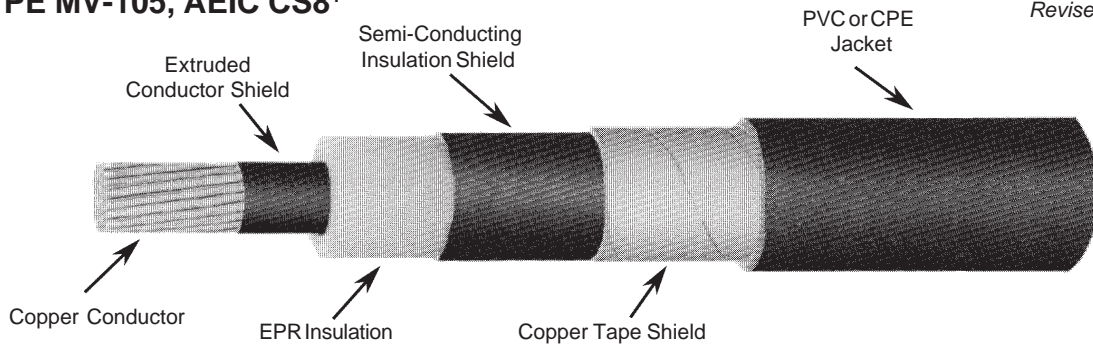


**EPR POWER CABLE, SHIELDED, 5000/8000 VOLT,
TYPE MV-105, AEIC CS8¹**

SPEC 2-61-2
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 5000 VOLT (133%) or 8000 VOLT (100%) SHIELDED

6*	7	0.18	115	60	0.44	0.70	84	280
4*	7	0.23	115	60	0.49	0.74	110	350
2	7	0.27	115	60	0.55	0.79	145	445
1*	19	0.32	115	60	0.58	0.84	175	525
1/0	19	0.34	115	80	0.61	0.86	200	595
2/0	19	0.38	115	80	0.65	0.93	225	735
3/0	19	0.42	115	80	0.70	0.99	270	865
4/0	19	0.48	115	80	0.75	1.03	305	1025
250	37	0.52	115	80	0.80	1.09	355	1175
350	37	0.62	115	80	0.90	1.18	430	1535
500	37	0.74	115	80	1.02	1.33	530	2075
750	61	0.91	115	80	1.19	1.51	665	2955
1000*	61	1.12	115	80	1.40	1.78	770	3930

SINGLE CONDUCTOR 8000 VOLT SHIELDED, 133% INSULATION LEVEL

6*	7	0.18	140	60	0.53	0.75	93	315
4*	7	0.23	140	60	0.58	0.79	120	385
2	7	0.27	140	60	0.63	0.84	165	480
1*	19	0.32	140	80	0.66	0.93	190	595
1/0	19	0.34	140	80	0.69	0.95	215	670
2/0	19	0.38	140	80	0.74	0.98	255	775
3/0	19	0.42	140	80	0.79	1.04	290	905
4/0	19	0.48	140	80	0.83	1.08	330	1070
250	37	0.52	140	80	0.88	1.14	365	1225
350	37	0.62	140	80	0.98	1.24	440	1585
500	37	0.74	140	80	1.11	1.38	535	2135
750	61	0.91	140	80	1.27	1.57	655	3020
1000*	61	1.12	140	110	1.48	1.84	755	4005

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).

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