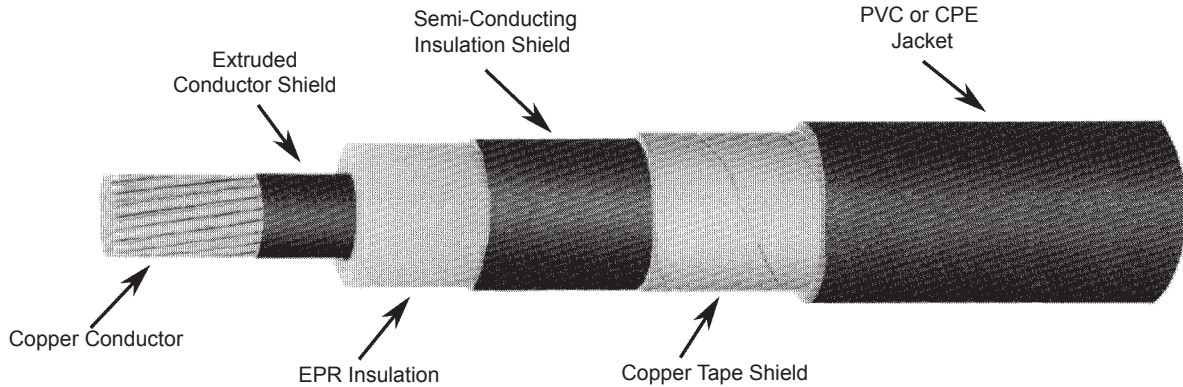


**EPR POWER CABLE, SHIELDED, 5000 VOLT, TYPE MV-105,
AEIC CS8¹**

SPEC 2-61-1
Ver. 7.1
Revised: 12/30/08



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 5000 VOLT SHIELDED

8*	7	0.14	90	60	0.37	0.60	61	210
6*	7	0.18	90	60	0.39	0.64	84	255
4*	7	0.23	90	60	0.44	0.68	110	320
2	7	0.27	90	60	0.50	0.73	145	415
1*	19	0.32	90	60	0.53	0.78	175	490
1/0	19	0.34	90	60	0.56	0.81	200	560
2/0	19	0.38	90	60	0.60	0.84	225	665
3/0	19	0.42	90	80	0.65	0.92	270	820
4/0	19	0.48	90	80	0.70	0.98	305	980
250	37	0.52	90	80	0.75	1.03	355	1130
350	37	0.62	90	80	0.85	1.14	430	1485
500	37	0.74	90	80	0.97	1.26	530	2000
750	61	0.91	90	80	1.14	1.46	665	2890
1000*	61	1.12	90	80	1.35	1.67	770	3760

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.

¹AEIC CS8 for 100% insulation level if requested at time of order.

#133% is not applicable for AEIC.

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. All sizes are listed by UL as Sunlight Resistant and sizes #1/0 AWG & larger are listed For CT Use.
4. Sizes 1/0AWG & larger are listed by UL for IEEE 1202 (must be 2/0AWG & larger if CPE jacket).
5. Conforms to AEIC CS8 upon request (5kV 100% only).
6. Listed by CSA as Type Power Cable per Standard CSA C68.3 (with -40°C PVC jacket).

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