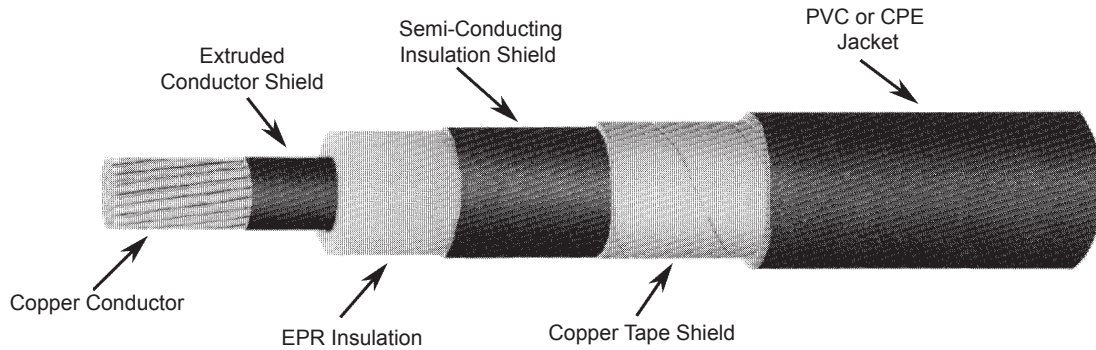


EPR POWER CABLE, SHIELDED, 25000/28000 VOLT, TYPE MV-105, AEIC CS8¹

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.

*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. 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).

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