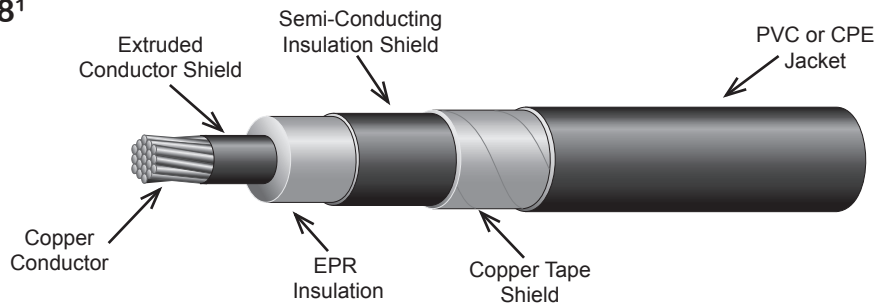


EPR POWER CABLE, SHIELDED, 5000/8000 VOLT, TYPE MV-105, AEIC CS8¹

SPEC 2-61-2

Ver. 7.2
Revised: 01/25/11



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	1.47	755	4005	

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.

¹Must be specified at time of order.

STANDARDS AND RATINGS:

- Listed by UL as Type MV-105 per Standard 1072.
- Conforms to ICEA S-93-639/NEMA WC74 Shielded Power Cable 5 - 46KV.
- Conforms to ICEA S-97-682 Utility Shielded Power Cables 5 - 46KV upon request.
- All sizes are listed by UL as Sunlight Resistant and sizes #1/0 AWG & larger are listed For CT Use.
- Sizes 1/0AWG & larger are listed by UL for IEEE 1202 (must be 2/0AWG & larger if CPE jacket).
- Conforms to AEIC CS8 upon request.
- Listed by CSA as Type Power Cable per Standard CSA C68.3 (with -40°C PVC jacket).

AETNA INSULATED WIRE, LLC
1537 AIR RAIL AVENUE, VIRGINIA BEACH, VA 23455
TELEPHONE: (800) 423-6505 FAX: (757) 605-2094
WWW.AETNAWIRE.COM

