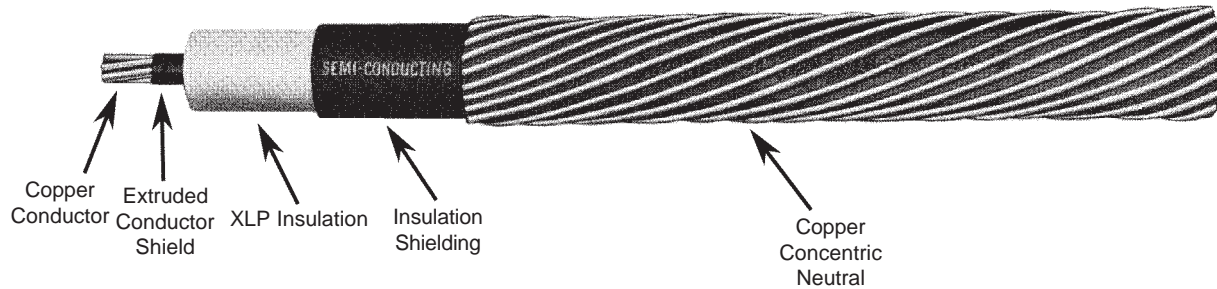


**UNDERGROUND DISTRIBUTION POWER CABLE (UD/URD), 5000 VOLT
CROSS-LINKED POLYETHYLENE INSULATION (XLP)
AEIC CS8¹**

SPEC 2-71-1
Ver. 7.0
Revised: 08/17/07



90°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% INSULATION LEVEL

Conductor			Insulation in Mils	Insulation Shielding in Mils	Concentric Neutral Full No. x Size AWG	Concentric Neutral 1/3rd No. x Size AWG	Approximate O.D. F/N in Inches	Ampacity** 20°C Ambient Earth	Approximate Net Weight Full Neutral LBS/KFT	Approximate Net Weight 1/3rd Neutral LBS/KFT
Size AWG or KCMIL	No. of Strands	Nominal O.D.								

COPPER CONDUCTOR, 5000 VOLT, 100% INSULATION LEVEL

4*	7	0.23	90	30	10 x 14	6 x 14	0.64	110	325	275
2	7	0.27	90	30	16 x 14	6 x 14	0.69	145	490	360
1*	19	0.32	90	30	13 x 12	7 x 14	0.77	170	615	435
1/0	19	0.34	90	30	16 x 12	9 x 14	0.79	195	745	530
2/0	19	0.38	90	30	13 x 10	11 x 14	0.87	220	935	650
3/0	19	0.42	90	30	16 x 10	14 x 14	0.92	250	1150	805
4/0	19	0.48	90	30	20 x 10	18 x 14	0.97	290	1425	1000
250	37	0.52	90	30	15 x 8	13 x 12	1.08	320	1690	1170
350	37	0.62	90	30	----	18 x 12	1.08 ⁻	385	----	1595
500	37	0.74	90	40	----	17 x 10	1.24 ⁻	470	----	2290
750	61	0.91	90	40	----	16 x 8	1.51 ⁻	585	----	3380

Note: **Based on three cables in an underground duct, single circuit, earth 20°C, 100% load factor, RHO 90 per NEC, conductor temperature 90°C. No neutral current is considered.

The above data is approximate and subject to normal manufacturing tolerances.

*Compressed conductors.

¹If specified at time of order.

⁻Approximate O.D. in Inches for 1/3rd Concentric Neutrals.

STANDARDS AND RATINGS:

1. Conforms to ANSI/ICEA S-94-649 Concentric Neutral Cables Rated 5-46 kV.
2. Conforms to AEIC CS8 upon request.
3. Listed by CSA as Type Power Cable per Standard CSA C68.3.

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

