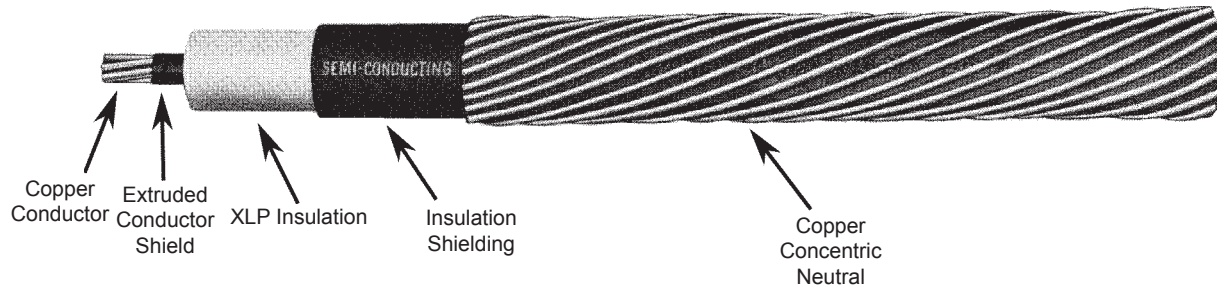


**UNDERGROUND DISTRIBUTION POWER CABLE (UD\URD)
5000/8000 VOLT, CROSS-LINKED POLYETHYLENE INSULATION (XLP),
AEIC CS8¹**

SPEC 2-71-1.2

Ver. 7.1

Revised: 12/17/08



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.								

SINGLE CONDUCTOR 5000 VOLT (133%) or 8000 VOLT (100%) INSULATION LEVEL

4*	7	0.23	115	30	10 x 14	6 x 14	0.69	115	340	290
2	7	0.27	115	30	16 x 14	6 x 14	0.74	155	505	375
1*	19	0.32	115	30	13 x 12	7 x 14	0.883	175	635	455
1/0	19	0.34	115	30	16 x 12	9 x 14	0.84	200	765	550
2/0	19	0.38	115	30	13 x 10	11 x 14	0.93	230	955	670
3/0	19	0.42	115	30	16 x 10	14 x 14	0.97	260	1170	825
4/0	19	0.48	115	30	20 x 10	18 x 14	1.03	295	1450	1025
250	37	0.52	115	30	15 x 8	13 x 12	1.13	325	1715	1195
350	37	0.62	115	30	----	18 x 12	1.13 [~]	390	----	1625
500	37	0.74	115	40	----	17 x 10	1.32 [~]	465	----	2315
750	61	0.91	115	40	----	16 x 8	1.56 [~]	565	----	3415

SINGLE CONDUCTOR 8000 VOLT, 133% INSULATION LEVEL

4*	7	0.23	140	30	10 x 14	6 x 14	0.74	115	360	305
2	7	0.27	140	30	16 x 14	6 x 14	0.79	155	525	395
1*	19	0.32	140	30	13 x 12	7 x 14	0.88	175	655	470
1/0	19	0.34	140	30	16 x 12	9 x 14	0.90	200	790	575
2/0	19	0.38	140	30	13 x 10	11 x 14	0.98	230	980	695
3/0	19	0.42	140	30	16 x 10	14 x 14	1.03	260	1195	850
4/0	19	0.48	140	30	20 x 10	18 x 14	1.08	295	1475	1050
250	37	0.52	140	30	15 x 8	13 x 12	1.18	325	1745	1225
350	37	0.62	140	30	----	18 x 12	1.19 [~]	390	----	1655
500	37	0.74	140	40	----	17 x 10	1.37 [~]	465	----	2355
750	61	0.91	140	40	----	16 x 8	1.61 [~]	565	----	3460

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.

*Compressed conductors.

[~]If specified at time of order.

[~]Approximate O.D. in Inches for 1/3rd Concentric Neutrals.

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

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

