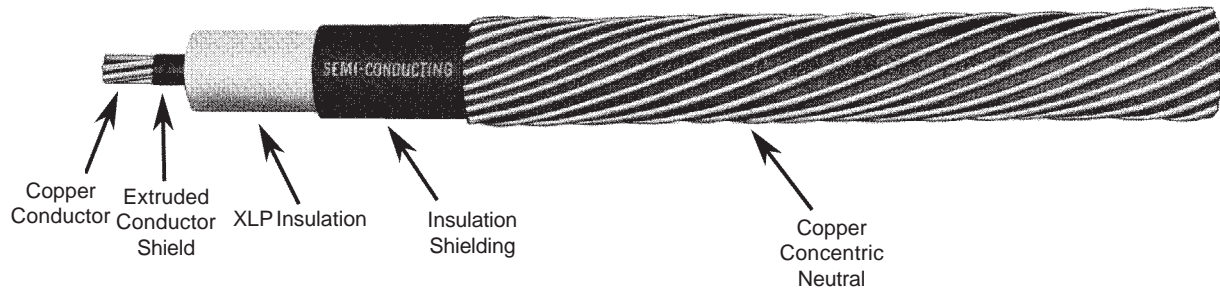


**UNDERGROUND DISTRIBUTION POWER CABLE (UD\URD),
25000/28000 VOLT, CROSS-LINKED POLYETHYLENE INSULATION
(XLP), AEIC CS8¹**

SPEC 2-71-4
Ver. 7.0
Revised: 06/18/08



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.								

COPPER CONDUCTOR, 25000 VOLT, 100% INSULATION LEVEL

1*	19	0.32	260	30	13 x 12	7 x 14	1.13	175	780	600
1/0	19	0.34	260	30	16 x 12	9 x 14	1.15	200	915	700
2/0	19	0.38	260	30	13 x 10	11 x 14	1.23	230	1115	825
3/0	19	0.42	260	40	16 x 10	14 x 14	1.29	260	1355	990
4/0	19	0.48	260	40	20 x 10	18 x 14	1.35	295	1640	1215
250	37	0.52	260	40	15 x 8	13 x 12	1.46	325	1920	1400
350	37	0.62	260	40	----	18 x 12	1.46 ⁻	390	----	1845
500	37	0.74	260	40	----	17 x 10	1.62 ⁻	465	----	2545
750	61	0.91	260	50	----	16 x 8	1.90 ⁻	565	----	3675

COPPER CONDUCTOR, 28000 VOLT, 100% INSULATION LEVEL

1*	19	0.32	280	30	13 x 12	7 x 14	1.17	175	805	625
1/0	19	0.34	280	30	16 x 12	9 x 14	1.19	200	940	725
2/0	19	0.38	280	40	13 x 10	11 x 14	1.27	230	1140	855
3/0	19	0.42	280	40	16 x 10	14 x 14	1.34	260	1380	1035
4/0	19	0.48	280	40	20 x 10	18 x 14	1.39	295	1670	1245
250	37	0.52	280	40	15 x 8	13 x 12	1.50	325	1950	1430
350	37	0.62	280	40	----	18 x 12	1.50 ⁻	390	----	1880
500	37	0.74	280	40	----	17 x 10	1.66 ⁻	465	----	2580
750	61	0.91	280	50	----	16 x 8	1.95 ⁻	565	----	3760

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.

¹If specified at time of order.

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

