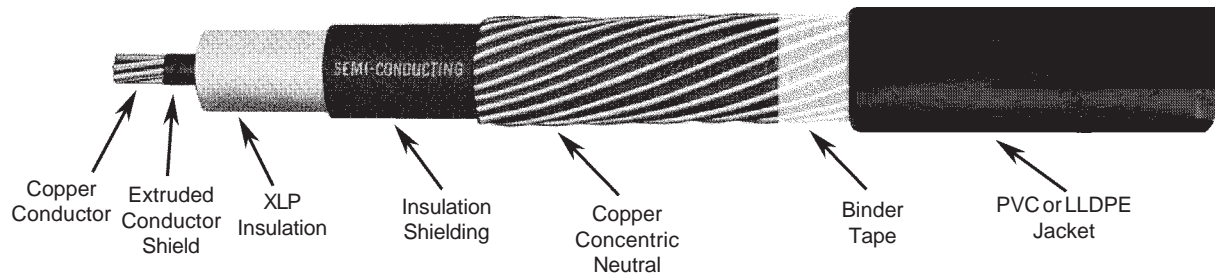


UNDERGROUND DISTRIBUTION POWER CABLE (UD\URD), 15000 VOLT SPEC2-71-3
CROSS-LINKED POLYETHYLENE INSULATION (XLP),
OVERALL JACKET, AEIC CS8¹

Ver.7.0
 Revised: 08/17/07



90°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% OR 133% INSULATION LEVEL

Conductor			Insulation in Mils	Insulation Shielding in Mils	Overall Jacket 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, 15000 VOLT, 100% INSULATION LEVEL

2	7	0.27	175	30	80	16 x 14	6 x 14	1.07	155	710	580
1*	19	0.32	175	30	80	13 x 12	7 x 14	1.16	175	855	670
1/0	19	0.34	175	30	80	16 x 12	9 x 14	1.17	200	990	765
2/0	19	0.38	175	30	80	13 x 10	11 x 14	1.25	230	1195	895
3/0	19	0.42	175	30	80	16 x 10	14 x 14	1.30	260	1420	1060
4/0	19	0.48	175	30	80	20 x 10	18 x 14	1.35	295	1710	1270
250	37	0.52	175	30	80	15 x 8	13 x 12	1.46	325	1995	1455
350	37	0.62	175	40	80	----	18 x 12	1.49 ⁻	390	----	1930
500	37	0.74	175	40	110	----	17 x 10	1.65 ⁻	465	----	2640
750	61	0.91	175	40	110	----	16 x 8	1.95 ⁻	565	----	3900

COPPER CONDUCTOR, 15000 VOLT, 133% INSULATION LEVEL

2	7	0.27	220	30	80	16 x 14	6 x 14	1.16	155	770	630
1*	19	0.32	220	30	80	13 x 12	7 x 14	1.25	175	915	735
1/0	19	0.34	220	30	80	16 x 12	9 x 14	1.26	200	1055	825
2/0	19	0.38	220	30	80	13 x 10	11 x 14	1.35	230	1260	960
3/0	19	0.42	220	30	80	16 x 10	14 x 14	1.39	260	1490	1125
4/0	19	0.48	220	30	80	20 x 10	18 x 14	1.45	295	1785	1340
250	37	0.52	220	40	80	15 x 8	13 x 12	1.58	325	2090	1550
350	37	0.62	220	40	80	----	18 x 12	1.58 ⁻	390	----	2010
500	37	0.74	220	40	110	----	17 x 10	1.80 ⁻	465	----	2830
750	61	0.91	220	40	110	----	16 x 8	2.05 ⁻	565	----	4005

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 (with -40°C PVC jacket).

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

