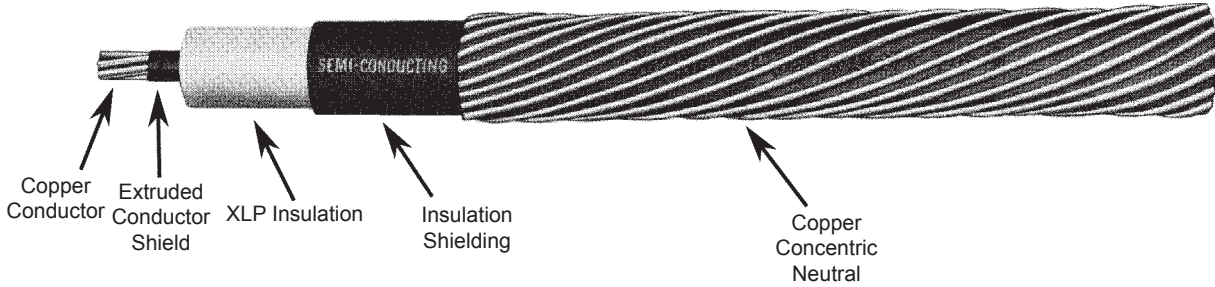


**UNDERGROUND DISTRIBUTION POWER CABLE (UD\URD), 15000 VOLT
CROSS-LINKED POLYETHYLENE INSULATION (XLP),
AEIC CS8¹**

SPEC 2-71-2
Ver. 7.1
Revised: 12/16/08



90°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% OR 133% 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, 15000 VOLT, 100% INSULATION LEVEL

2	7	0.27	175	30	16 x 14	6 x 14	0.87	155	555	425
1*	19	0.32	175	30	13 x 12	7 x 14	0.95	175	690	510
1/0	19	0.34	175	30	16 x 12	9 x 14	0.97	200	820	605
2/0	19	0.38	175	30	13 x 10	11 x 14	1.05	230	1012	725
3/0	19	0.42	175	30	16 x 10	14 x 14	1.10	260	1231	885
4/0	19	0.48	175	30	20 x 10	18 x 14	1.15	295	1512	1090
250	37	0.52	175	30	15 x 8	13 x 12	1.26	325	1781	1265
350	37	0.62	175	40	----	18 x 12	1.28 ⁻	390	----	1720
500	37	0.74	175	40	----	17 x 10	1.44 ⁻	465	----	2405
750	61	0.91	175	40	----	16 x 8	1.69 ⁻	565	----	3520

COPPER CONDUCTOR, 15000 VOLT, 133% INSULATION LEVEL

2	7	0.27	220	30	16 x 14	6 x 14	0.96	155	600	470
1*	19	0.32	220	30	13 x 12	7 x 14	1.05	175	735	555
1/0	19	0.34	220	30	16 x 12	9 x 14	1.06	200	865	650
2/0	19	0.38	220	30	13 x 10	11 x 14	1.15	230	1060	775
3/0	19	0.42	220	30	16 x 10	14 x 14	1.19	260	1285	940
4/0	19	0.48	220	30	20 x 10	18 x 14	1.25	295	1570	1145
250	37	0.52	220	40	15 x 8	13 x 12	1.37	325	1855	1340
350	37	0.62	220	40	----	18 x 12	1.38 ⁻	390	----	1785
500	37	0.74	220	40	----	17 x 10	1.54 ⁻	465	----	2475
750	61	0.91	220	40	----	16 x 8	1.78 ⁻	565	----	3600

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.

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