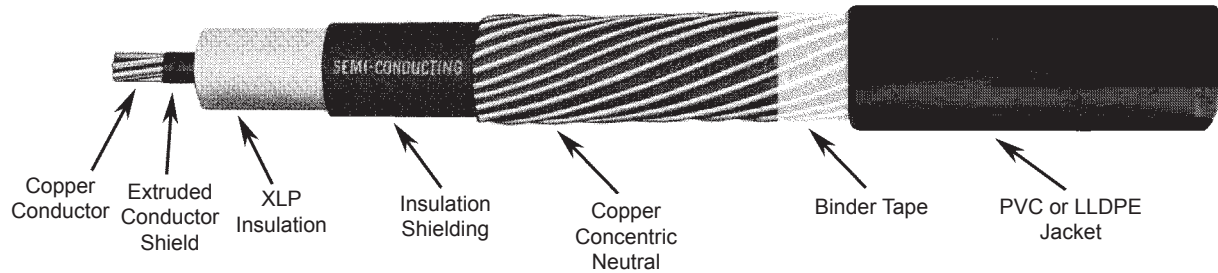


**UNDERGROUND DISTRIBUTION POWER CABLE (UD\URD), 25000/28000 VOLT
CROSS-LINKED POLYETHYLENE INSULATION (XLP),
OVERALL JACKET, AEIC CS8¹**

SPEC 2-71-4.1

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	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, 25000 VOLT, 100% INSULATION LEVEL

1*	19	0.32	260	30	80	13 x 12	7 x 14	1.33	175	975	790
1/0	19	0.34	260	30	80	16 x 12	9 x 14	1.35	200	1115	895
2/0	19	0.38	260	30	80	13 x 10	11 x 14	1.43	230	1325	1020
3/0	19	0.42	260	40	80	16 x 10	14 x 14	1.50	260	1575	1195
4/0	19	0.48	260	40	80	20 x 10	18 x 14	1.55	295	1870	1430
250	37	0.52	260	40	80	15 x 8	13 x 12	1.66	325	2160	1620
350	37	0.62	260	40	110	----	18 x 12	1.66~	390	----	2090
500	37	0.74	260	40	110	----	17 x 10	1.87~	465	----	2920
750	61	0.91	260	50	110	----	16 x 8	2.17~	565	----	4100

COPPER CONDUCTOR, 28000 VOLT, 100% INSULATION LEVEL

1*	19	0.32	280	30	80	13 x 12	7 x 14	1.38	175	1005	825
1/0	19	0.34	280	30	80	16 x 12	9 x 14	1.39	200	1145	925
2/0	19	0.38	280	40	80	13 x 10	11 x 14	1.47	230	1355	1060
3/0	19	0.42	280	40	80	16 x 10	14 x 14	1.54	260	1610	1250
4/0	19	0.48	280	40	80	20 x 10	18 x 14	1.59	295	1905	1470
250	37	0.52	280	40	80	15 x 8	13 x 12	1.77	325	2195	1665
350	37	0.62	280	40	110	----	18 x 12	1.77~	390	----	2235
500	37	0.74	280	40	110	----	17 x 10	1.93~	465	----	2975
750	61	0.91	280	50	110	----	16 x 8	2.21~	565	----	4215

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.

*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 (with -40°C PVC jacket).

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