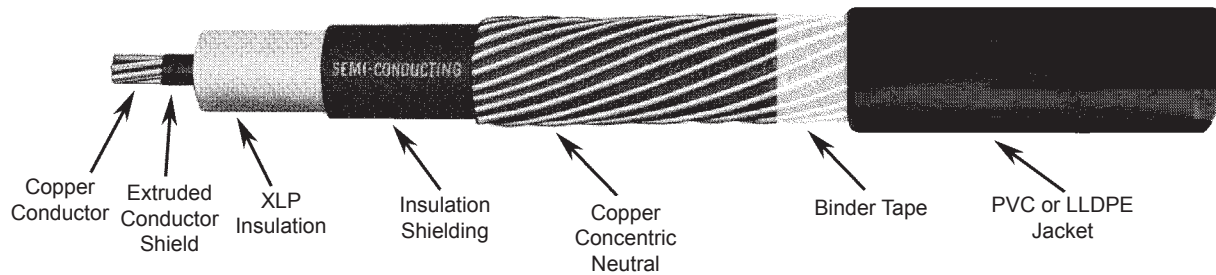


**UNDERGROUND DISTRIBUTION POWER CABLE (UD\URD),
5000/8000 VOLT, CROSS-LINKED POLYETHYLENE INSULATION (XLP),
OVERALL JACKET, AEIC CS8¹**

SPEC 2-71-1.3

Ver. 7.1

Revised: 12/17/08



90°C CONDUCTOR TEMPERATURE, WET OR DRY

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.									

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

4*	7	0.23	115	30	60	10 x 14	6 x 14	0.86	115	430	375
2	7	0.27	115	30	80	16 x 14	6 x 14	0.94	155	640	505
1*	19	0.32	115	30	80	13 x 12	7 x 14	1.03	175	780	595
1/0	19	0.34	115	30	80	16 x 12	9 x 14	1.05	200	915	690
2/0	19	0.38	115	30	80	13 x 10	11 x 14	1.13	230	1115	815
3/0	19	0.42	115	30	80	16 x 10	14 x 14	1.17	260	1340	980
4/0	19	0.48	115	30	80	20 x 10	18 x 14	1.23	295	1620	1185
250	37	0.52	115	30	80	15 x 8	13 x 12	1.34	325	1895	1365
350	37	0.62	115	30	80	----	18 x 12	1.34 [~]	390	----	1815
500	37	0.74	115	40	80	----	17 x 10	1.52 [~]	465	----	2535
750	61	0.91	115	40	110	----	16 x 8	1.82 [~]	565	----	3775

SINGLE CONDUCTOR 8000 VOLT, 133% INSULATION LEVEL

4*	7	0.23	140	30	80	10 x 14	6 x 14	0.95	115	495	435
2	7	0.27	140	30	80	16 x 14	6 x 14	1.00	155	665	535
1*	19	0.32	140	30	80	13 x 12	7 x 14	1.08	175	810	615
1/0	19	0.34	140	30	80	16 x 12	9 x 14	1.10	200	945	720
2/0	19	0.38	140	30	80	13 x 10	11 x 14	1.18	230	1150	850
3/0	19	0.42	140	30	80	16 x 10	14 x 14	1.23	260	1375	1010
4/0	19	0.48	140	30	80	20 x 10	18 x 14	1.28	295	1660	1220
250	37	0.52	140	30	80	15 x 8	13 x 12	1.39	325	1940	1400
350	37	0.62	140	30	80	----	18 x 12	1.39 [~]	390	----	1855
500	37	0.74	140	40	80	----	17 x 10	1.57 [~]	465	----	2580
750	61	0.91	140	40	110	----	16 x 8	1.88 [~]	565	----	3825

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).

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