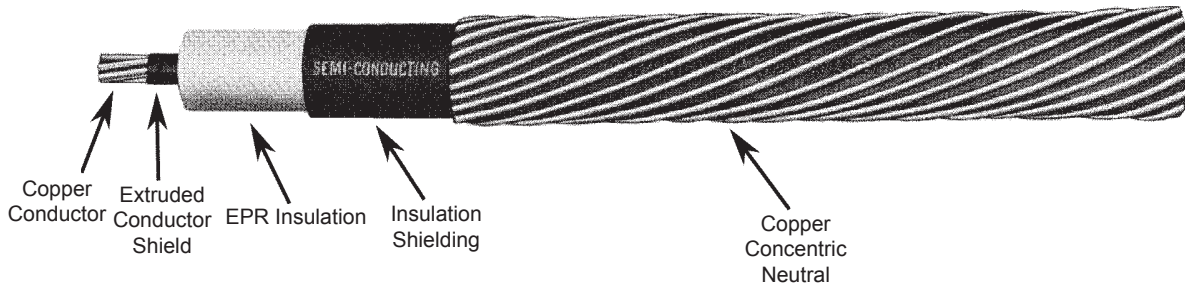


UNDERGROUND DISTRIBUTION POWER CABLE (UD\URD), 25000/28000 VOLT OR 35000 VOLT, ETHYLENE-PROPYLENE RUBBER INSULATION (EPR), AEIC CS8¹

SPEC 2-81-5
Ver. 7.1
Revised: 12/17/08



90°/105°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, 25000/28000 VOLT 133% OR 35000 VOLT 100% INSULATION LEVEL

1*	19	0.32	345	40	13 x 12	7 x 14	1.33	175	990	810
1/0	19	0.34	345	40	16 x 12	9 x 14	1.35	200	1010	925
2/0	19	0.38	345	40	13 x 10	11 x 14	1.43	230	1215	1060
3/0	19	0.42	345	40	16 x 10	14 x 14	1.48	260	1400	1240
4/0	19	0.48	345	40	20 x 10	18 x 14	1.53	295	1755	1460
250	37	0.52	345	40	15 x 8	13 x 12	1.64	325	2040	1660
350	37	0.62	345	40	----	18 x 12	1.64 [~]	390	----	2130
500	37	0.74	345	50	----	17 x 10	1.83 [~]	465	----	2895
750	61	0.91	345	50	----	16 x 8	2.08 [~]	565	----	4075

COPPER CONDUCTOR, 35000 VOLT, 133% INSULATION LEVEL

1/0	19	0.34	420	40	16 x 12	9 x 14	1.51	200	1290	1075
2/0	19	0.38	420	40	13 x 10	11 x 14	1.59	230	1500	1215
3/0	19	0.42	420	40	16 x 10	14 x 14	1.63	260	1745	1400
4/0	19	0.48	420	40	20 x 10	18 x 14	1.69	295	2050	1625
250	37	0.52	420	40	15 x 8	13 x 12	1.79	325	2350	1830
350	37	0.62	420	50	----	18 x 12	1.83 [~]	390	----	2350
500	37	0.74	420	50	----	17 x 10	1.99 [~]	465	----	3095

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.

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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