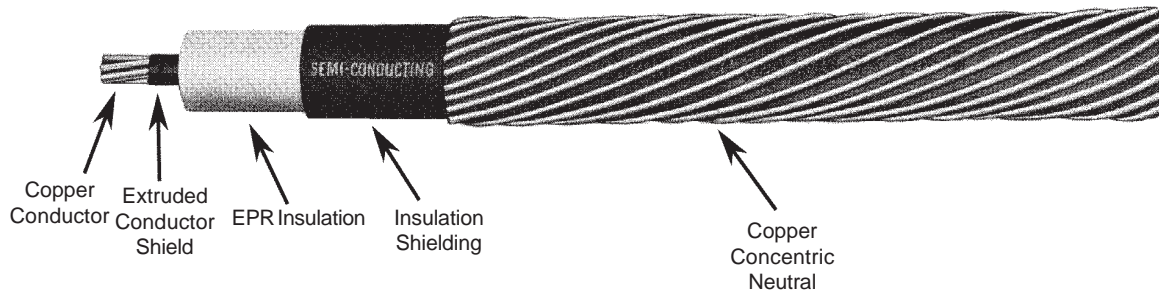


UNDERGROUND DISTRIBUTION POWER CABLE (UD\URD), 15000 VOLT SPEC 2-81-2
ETHYLENE-PROPYLENE RUBBER INSULATION (EPR)
AEIC CS8¹

Ver. 7.0
 Revised: 08/17/07



90°/105°C CONDUCTOR TEMPERATURE, WET OR DRY

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	585	460
1*	19	0.32	175	30	13 x 12	7 x 14	0.95	175	725	545
1/0	19	0.34	175	30	16 x 12	9 x 14	0.97	200	855	640
2/0	19	0.38	175	30	13 x 10	11 x 14	1.05	230	1050	765
3/0	19	0.42	175	30	16 x 10	14 x 14	1.10	260	1270	930
4/0	19	0.48	175	30	20 x 10	18 x 14	1.15	295	1560	1130
250	37	0.52	175	30	15 x 8	13 x 12	1.26	325	1830	1310
350	37	0.62	175	40	----	18 x 12	1.28 ⁻	390	----	1770
500	37	0.74	175	40	----	17 x 10	1.44 ⁻	465	----	2466
750	61	0.91	175	40	----	16 x 8	1.69 ⁻	565	----	3590

COPPER CONDUCTOR, 15000 VOLT, 133% INSULATION LEVEL

2*	7	0.27	220	30	16 x 14	6 x 14	0.96	155	640	510
1	19	0.32	220	30	13 x 12	7 x 14	1.05	175	785	605
1/0	19	0.34	220	30	16 x 12	9 x 14	1.06	200	915	700
2/0	19	0.38	220	30	13 x 10	11 x 14	1.15	230	1115	830
3/0	19	0.42	220	30	16 x 10	14 x 14	1.19	260	1340	995
4/0	19	0.48	220	30	20 x 10	18 x 14	1.25	295	1630	1205
250	37	0.52	220	40	15 x 8	13 x 12	1.37	325	1920	1405
350	37	0.62	220	40	----	18 x 12	1.38 ⁻	390	----	1855
500	37	0.74	220	40	----	17 x 10	1.54 ⁻	465	----	2560
750	61	0.91	220	40	----	16 x 8	1.78 ⁻	565	----	3695

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.

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