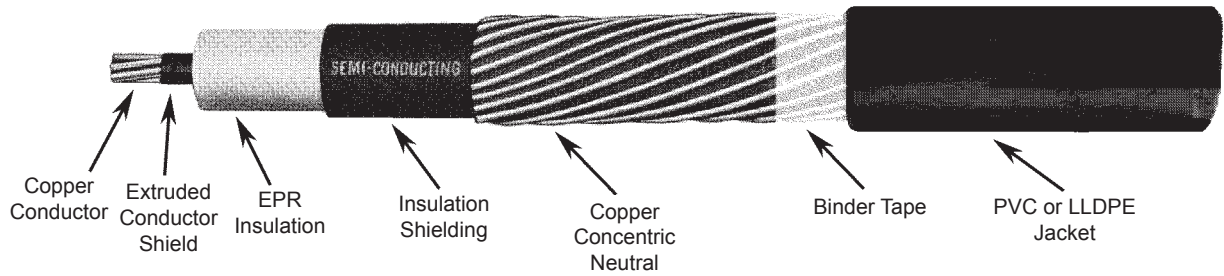


**UNDERGROUND DISTRIBUTION POWER CABLE (UD\URD), 15000 VOLT  
ETHYLENE-PROPYLENE INSULATION (EPR),  
OVERALL JACKET, AEIC CS8<sup>1</sup>**

**SPEC 2-81-3**  
Ver. 7.1  
Revised: 12/17/08



**90°/105°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.									

**COPPER CONDUCTOR, 15000 VOLT, 100% INSULATION LEVEL**

2	7	0.27	175	30	80	16 x 14	6 x 14	1.07	155	735	610
1*	19	0.32	175	30	80	13 x 12	7 x 14	1.16	175	890	705
1/0	19	0.34	175	30	80	16 x 12	9 x 14	1.17	200	1020	800
2/0	19	0.38	175	30	80	13 x 10	11 x 14	1.25	230	1225	930
3/0	19	0.42	175	30	80	16 x 10	14 x 14	1.30	260	1455	1100
4/0	19	0.48	175	30	80	20 x 10	18 x 14	1.35	295	1750	1315
250	37	0.52	175	30	80	15 x 8	13 x 12	1.46	325	2030	1500
350	37	0.62	175	40	80	----	18 x 12	1.49 <sup>~</sup>	390	----	1985
500	37	0.74	175	40	110	----	17 x 10	1.65 <sup>~</sup>	465	----	2705
750	61	0.91	175	40	110	----	16 x 8	1.95 <sup>~</sup>	565	----	3975

**COPPER CONDUCTOR, 15000 VOLT, 133% INSULATION LEVEL**

2	7	0.27	220	30	80	16 x 14	6 x 14	1.16	155	805	675
1*	19	0.32	220	30	80	13 x 12	7 x 14	1.25	175	965	780
1/0	19	0.34	220	30	80	16 x 12	9 x 14	1.26	200	1095	875
2/0	19	0.38	220	30	80	13 x 10	11 x 14	1.35	230	1305	1010
3/0	19	0.42	220	30	80	16 x 10	14 x 14	1.39	260	1540	1180
4/0	19	0.48	220	30	80	20 x 10	18 x 14	1.45	295	1835	1400
250	37	0.52	220	40	80	15 x 8	13 x 12	1.58	325	2140	1610
350	37	0.62	220	40	80	----	18 x 12	1.58 <sup>~</sup>	390	----	2085
500	37	0.74	220	40	110	----	17 x 10	1.80 <sup>~</sup>	465	----	2910
750	61	0.91	220	40	110	----	16 x 8	2.05 <sup>~</sup>	565	----	4100

**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.

<sup>1</sup>If specified at time of order.

<sup>2</sup>90°C conductor temperature with LLDPE jacket and 105°C conductor temperature with PVC jacket.

<sup>~</sup>Approximate O.D. in Inches for 1/3<sup>rd</sup> 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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