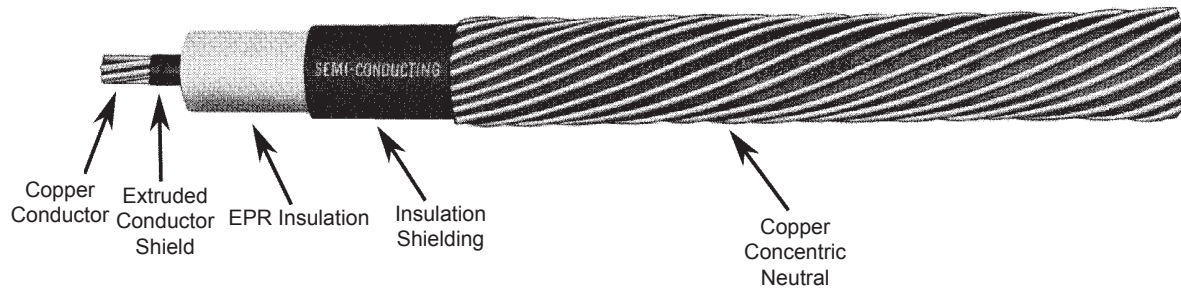


**UNDERGROUND DISTRIBUTION POWER CABLE (UD\URD), 25000/28000 VOLT
ETHYLENE-PROPYLENE RUBBER INSULATION (EPR),
AEIC CS8¹**

SPEC 2-81-4
Ver. 7.1
Revised: 12/17/08



90°/105°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% 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 VOLT, 100% INSULATION LEVEL

1*	19	0.32	260	30	13 x 12	7 x 14	1.13	175	840	665
1/0	19	0.34	260	30	16 x 12	9 x 14	1.15	200	975	760
2/0	19	0.38	260	30	13 x 10	11 x 14	1.23	230	1175	890
3/0	19	0.42	260	40	16 x 10	14 x 14	1.29	260	1400	1060
4/0	19	0.48	260	40	20 x 10	18 x 14	1.35	295	1710	1290
250	37	0.52	260	40	15 x 8	13 x 12	1.46	325	1995	1475
350	37	0.62	260	40	----	18 x 12	1.46~	390	----	1935
500	37	0.74	260	40	----	17 x 10	1.62~	465	----	2645
750	61	0.91	260	50	----	16 x 8	1.90~	565	----	3830

COPPER CONDUCTOR, 28000 VOLT, 100% INSULATION LEVEL

1*	19	0.32	280	30	13 x 12	7 x 14	1.17	175	865	685
1/0	19	0.34	280	30	16 x 12	9 x 14	1.19	200	1010	795
2/0	19	0.38	280	40	13 x 10	11 x 14	1.27	230	1215	930
3/0	19	0.42	280	40	16 x 10	14 x 14	1.34	260	1400	1115
4/0	19	0.48	280	40	20 x 10	18 x 14	1.39	295	1755	1330
250	37	0.52	280	40	15 x 8	13 x 12	1.50	325	2040	1525
350	37	0.62	280	40	----	18 x 12	1.50~	390	----	1980
500	37	0.74	280	40	----	17 x 10	1.66~	465	----	2695
750	61	0.91	280	50	----	16 x 8	1.95~	565	----	3895

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.

AETNA INSULATED WIRE, INC.
1537 AIR RAIL AVENUE, VIRGINIA BEACH, VA 23455
TELEPHONE: (800) 423-6505 FAX: (757) 605-2094
WWW.AETNAWIRE.COM

