

# EmPowr® Link CL™ Advantage Underground Distribution Cable 15-35 kV

Al Conductor TRXLPE Insulation Flat Strap Neutral XLPE Jacket, UL Type MV-105



## UNDERGROUND DISTRIBUTION CABLE - 35kV - TYPE UD - FLAT STRAP NEUTRAL

COMPACT CONDUCTOR		FLAT STRAP NEUTRAL CONFIGURATION			DIAMETER (2) INCHES			NOMINAL JACKET THKN. INCHES (1)	APPROX. WEIGHT (2) LB/KFT			AMPACITY (3)	
AL AWG OR kcmil	NOM. COND. DIA. INCHES	NO. OF STRAPS	FLAT STRAP DIMENSIONS (THKN. mils x WIDTH mils)	FAULT CURRENT EQUIV. LLDPE CN. DESIG. (1)	INSULATION		ENCAP XLPE JACKET		AL COND.	FLAT STRAP NEUTRAL	TOTAL	DIRECT BURIED	
					MIN.	MAX.						FLAT	TREFOIL

### 345 mils NOMINAL TRXLPE INSULATION - 100% INSULATION LEVEL

1/0	0.336	9	25 X 163	Full	1.020	1.120	1.282	0.055	99	148	737	245	230
	0.336	6	25 X 163	2/3	1.020	1.120	1.282	0.055	99	99	691	245	230
3/0	0.423	15	25 X 163	Full	1.105	1.205	1.369	0.055	158	247	944	315	300
	0.423	10	25 X 163	2/3	1.105	1.205	1.369	0.055	158	165	868	315	300
	0.423	8	25 X 163	1/2	1.105	1.205	1.369	0.055	158	132	838	320	300
4/0	0.475	18	25 X 163	Full	1.160	1.260	1.421	0.055	199	297	1065	350	340
	0.475	12	25 X 163	2/3	1.160	1.260	1.421	0.055	199	198	974	355	340
	0.475	9	25 X 163	1/2	1.160	1.260	1.421	0.055	199	148	929	360	340
	0.475	6	25 X 163	1/3	1.160	1.260	1.421	0.055	199	99	883	365	340
350	0.616	20	25 X 163	2/3	1.310	1.410	1.570	0.055	329	330	1330	445	445
	0.616	15	25 X 163	1/2	1.310	1.410	1.570	0.055	329	247	1254	455	445
	0.616	10	25 X 163	1/3	1.310	1.410	1.570	0.055	329	165	1179	465	450
500	0.736	18	25 X 193	1/2	1.430	1.530	1.740	0.080	468	351	1628	520	540
	0.736	12	25 X 193	1/3	1.430	1.530	1.740	0.080	468	234	1521	540	545
	0.736	6	25 X 193	1/6	1.430	1.530	1.740	0.080	468	117	1413	570	550
750	0.908	18	25 X 193	1/3	1.610	1.710	1.920	0.080	703	351	2008	615	670
	0.908	9	25 X 193	1/6	1.610	1.710	1.920	0.080	703	176	1847	670	680
1000	1.060	24	25 X 193	1/3	1.760	1.865	2.072	0.080	937	468	2468	660	765
	1.060	12	25 X 193	1/6	1.760	1.865	2.072	0.080	937	234	2254	725	785
1250	1.173	15	25 X 193	1/6	1.890	1.995	2.204	0.080	1172	293	2616	765	870
	1.173	9	25 X 163	1/12	1.890	1.995	2.204	0.080	1172	148	2483	850	885

(1) The flat strap neutral (FS) cable designs for the XLPE jacket, when operated at 90°C, are equivalent in fault current carrying capacity (but with reduced cross-sectional area) to concentric neutral cable designs with LLDPE jackets and the indicated concentric neutral designation. For single phase, full neutral applications, a neutral equivalent in cross-sectional area to the LLDPE jacket designs must be used. Three phase designs may use the configurations with reduced cross-sectional area (but equivalent fault current capability) as shown in the table.

(2) Extruded layer thicknesses and insulation and insulation shield diameters are in accordance with ANSI/ICEA S-94-649 for Concentric Neutral Cables Rated 5 Through 46 kV and also meet the requirements of the latest revisions of AEIC CS8.

(3) Ampacity based on earth thermal resistivity of 90°C-cm/watt, 90°C conductor temperature, 20°C earth ambient temperature, 75% load factor and 36" depth of burial. Values are based on one three-phase circuit, one conductor per phase, with neutral wires bonded at each end. Flat configuration based on 7.5" on center spacing between cables. For specific ampacities, contact your General Cable sales representative.

Dimensions and weights not designated minimum or maximum are nominal values and subject to manufacturing tolerances. In this context, weight means mass.