EmPowr® Link Shielded Power Cable 15-46 kV

AL Conductor TRXLPE Insulation Longitudinally Applied Corrugated Tape LLDPE Jacket

Standards and Specifications:

General Cable Electric Utility Products meet the latest requirements of CSA C68.5 as applicable for Tree-Retardant Cross-linked Polyethylene (TRXLPE) insulated shielded power cable.

Applications:

EmPowr® Link cables are intended for use in dry or wet locations for distribution of three-phase medium-voltage power. These cables may be installed in ducts or direct buried.

Options:

- BIFILL® tested to ICEA T-34-664
  1. blocked conductor
  2. blocked cable core/LACT
- Sealed LACT overlap
- Low-strip insulation shield
- Available with EPR insulation
- Available with lead-free EAM insulation
- Semi-conducting thermoplastic jacket
- 3 X 1/C triplex or parallel assembly
- TRXLPE Class III insulation for 105°/140°C temperature rating
- UL listed
- 100% pellet inspection

For information on conductor sizes or voltage ratings not shown in the tables, contact your General Cable sales representative or e-mail infoca@generalcable.com.

ALUMINUM CONDUCTOR LONGITUDALLY APPLIED CORRUGATED TAPE SHIELDED 15 kV POWER CABLE

COMPACT CONDUCTOR		DIAMETER (2) (mm)				NOM. JACKET THKN. (2) (mm)	APPROX. WEIGHT (kg/km)			AMPACITY (3)	
SIZE (AWG OR kcmil)	NO. OF WIRES (1)	INS.	LACT SHIELD THKN.	LACT SHIELD O.D.	LLDPE JACKET		AL COND.	CU SHIELD	TOTAL	DIRECT BURIED	IN DUCT
4.45 mm (175 mils) NOMINAL TRXLPE INSULATION – 15 kV 100% LEVEL											
250	37	23.2	0.203	27.0	31.1	2.0	349	196	1089	370	285
250	37	23.2	0.254	27.2	31.2	2.0	349	245	1139	370	285
350	37	25.7	0.203	29.5	33.5	2.0	490	208	1305	445	345
350	37	25.7	0.254	29.6	33.7	2.0	490	284	1380	445	345
500	37	28.7	0.203	32.5	36.6	2.0	697	233	1615	545	425
500	37	28.7	0.254	32.7	36.7	2.0	697	284	1667	545	425
750	61	33.3	0.203	37.4	41.5	2.0	1047	275	2141	665	530
750	61	33.3	0.254	37.6	41.7	2.0	1047	344	2211	665	530
1000	61	37.1	0.203	41.3	46.9	2.8	1394	303	2720	780	630
1000	61	37.1	0.254	41.5	47.0	2.8	1394	379	2798	780	630
5.59 mm (220 mils) NOMINAL TRXLPE INSULATION – 15 kV 133% LEVEL											
250	37	25.5	0.203	29.3	33.4	2.0	349	208	1205	370	285
250	37	25.5	0.254	29.5	33.5	2.0	349	284	1281	370	285
350	37	27.9	0.203	31.8	35.8	2.0	490	233	1441	445	345
350	37	27.9	0.254	31.9	36.0	2.0	490	284	1493	445	345
500	37	31.0	0.203	34.8	38.9	2.0	697	240	1743	545	425
500	37	31.0	0.254	35.3	39.4	2.0	697	327	1842	545	425
750	61	35.6	0.203	39.7	45.3	2.8	1047	296	2398	665	530
750	61	35.6	0.254	39.9	45.5	2.8	1047	370	2474	665	530
1000	61	39.4	0.203	43.6	49.2	2.8	1394	330	2902	780	630
1000	61	39.4	0.254	43.7	49.3	2.8	1394	404	2978	780	630

(1) For compact stranded constructions, the number of wires may be reduced as follows:
19-Wire Constructions – 18 Wires Minimum
37-Wire Constructions – 35 Wires Minimum
61-Wire Constructions – 58 Wires Minimum

(2) Extruded layer thicknesses are in accordance with CSA C68.5 for Primary Shielded and Concentric Neutral Cable for Distribution Utilities.

(3) Ampacities 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 based on one three phase circuit, one conductor per phase, in flat adjacent configuration with neutral wires bonded at each end. Ducts sized for 40% fill. 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.