

TR-XLPE/CN/LLDPE, Type Primary UD (Al filled)

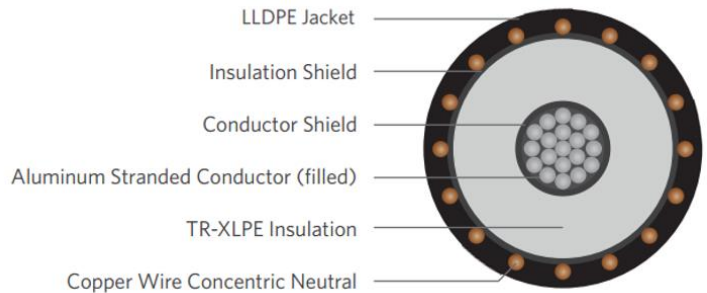
Per Southern Company Specification SES-PD-032
 LS-SPSX Part Number: E9HKV-1A6F01CA00

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consist of an Aluminum (filled) conductor, covered with tree-retardant cross-linked polyethylene (TR- XLPE), a concentric neutral of helically applied copper wires, and a linear low-density polyethylene (LLDPE) solid black jacket.

APPLICATION

- Suitable for underground primary power applications
- For wet or dry locations
- For direct burial or in duct
- Excellent resistance to treeing
- Jacket is sunlight-resistance
- Designed to operate
 - » 90°C for normal operations
 - » 130°C for emergency overload
 - » 250°C for short circuit



SPECIFICATIONS

Conductor	Aluminum 1350 compressed Lay stranded Class B (filled)	Packaging	Non-returnable reels
Conductor	Extruded thermoset Super-Smooth	Compliance	ASTM B3
Strand Shield	Semi-conducting polymer	Performance	ASTM B-230
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)		ASTM B-231
Neutral	Solid copper wires helically applied		ICEA S-94-649
Jacket	Linear Low-Density Polyethylene		AEIC CS8
Print String	00000 FT SUPERIOR ESSEX XXAWG (KCMIL) AL FS 1/C XXKV XXX% INSUL LEVEL XXXMILS TRXLP XXAWG X XX LLDPE JKT AAAA/BBBB/CCCC TYPE MV-90 (UL) MADE IN USA MMDDYYYY (LIGHTNING BOLT)		UL 1072 (MV-90)
			RUS U1

AAAA = number of conductor shield compound approved by Southern Company
 BBBB = number of insulation compound approved by Southern Company
 CCCC = number of insulation shield compound approved by Southern Company

1C 1/0AWG 19-wires Aluminum (filled), 15kV 100% 175mils TR-XLPE, (8-wires copper x 14AWG) 1/2 reduced concentric neutral, LLDPE jacket.

PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Cond Size AWG	Cond Diameter in	Insulation Diameter in	Copper Concentric Neutral	Jacket Thickness inches	OD inches	Net Weight lbs/mft
E9HKV-1A6F01CA00	1/0	0.358	0.760	8 x 14AWG	0.055	1.06	501

The dimensions and weights shown are nominal and subject to industry standards. Other designs available upon request