

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

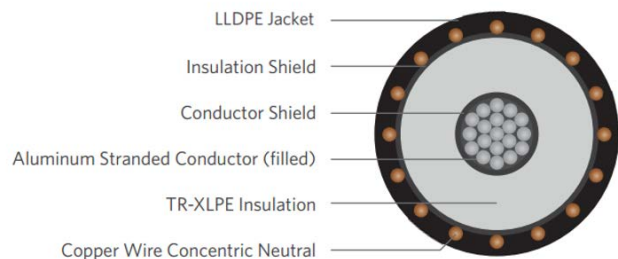
Per Southern Company Specification SES-PD-032  
 LS-SPSX Part Number: E9HKV-1A6F01CA00

### 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

<b>Conductor</b>	Aluminum 1350 compressed Lay stranded Class B (filled)	<b>Packaging</b>	Non-returnable reels
<b>Conductor Strand Shield</b>	Extruded thermoset Super-Smooth Semi-conducting polymer	<b>Compliance</b>	ASTM B3 ASTM B-230 ASTM B-231
<b>Insulation</b>	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)	<b>Performance</b>	ICEA S-94-649 AEIC CS8 UL 1072 (MV-90) RUS U1
<b>Neutral</b>	Solid copper wires helically applied		
<b>Jacket</b>	Linear Low-Density Polyethylene		

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)

**Print String**

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) ½ reduced concentric neutral, LLDPE jacket

PART NUMBER AND PHYSICAL CHARACTERISTICS							
Part Number	Conductor Size (AWG/kcmil)	Cond Diameter (in.)	Insulation Diameter (in.)	Copper Concentric Neutral	Jacket Thickness (in.)	OD (in.)	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.