

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

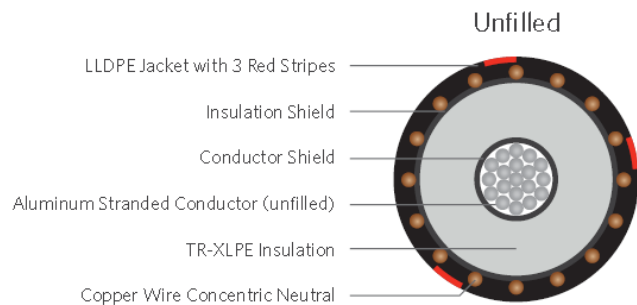
Part Number: **E9HKW-B53F01CA00**

### DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consist of an Aluminum (unfilled) 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) jacket with 3 extruded red stripes.

### 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
  - » 105°C for normal operations
  - » 140°C for emergency overload
  - » 250°C for short circuit



### SPECIFICATIONS

<b>Conductor</b>	Aluminum 1350 compressed Lay stranded Class B (unfilled)
<b>Conductor Strand Shield</b>	Extruded thermoset Semi-conducting polymer
<b>Insulation</b>	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
<b>Insulation Shield</b>	Carbon Black Filled Cross-Linkable compound
<b>Neutral</b>	Solid copper wires
<b>Jacket</b>	Linear Low-Density Polyethylene

<b>Packaging</b>	Non-returnable reels
	ASTM B3
	ASTM B-230
	ASTM B-231
	ICEA S-94-649
<b>Performance Compliance</b>	ICEA T-31-610 (water test)
	AEIC CS8
	UL 1072 (MV-90)
	RUS U1 (upon request)

**1C 1000kcmil 61-wires Aluminum (Unfilled), 15kV 100% 175mils TR-XLPE, (19-wires copper x 14AWG) 1/8 reduced concentric neutral, LLDPE jacket**

PART NUMBER AND PHYSICAL CHARACTERISTICS							
Part Number	Conductor Size (AWG/kcmil)	Conductor Diameter (in.)	Insulation Diameter (in.)	Copper Concentric Neutral	Jacket Thickness (in.)	OD (in.)	Net Weight (lbs./MFT)
<b>1/8 Reduced Concentric Neutral</b>							
E9HKW-B53F01CA00	1000	1.117	1.497	19 x 14AWG (1/8RCN)	0.080	1.875	1,898

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