

Photovoltaic Wire XLPE, Type PV, 2000V

Series E5A

PRODUCT DESCRIPTION

The Superior Essex XLPE, Photovoltaic Wire, 2000V, consist of a fully annealed bare copper, Class B stranded conductor, covered with an abrasion, moisture, heat and sunlight resistant, flame retardant Cross-linked polyethylene..

APPLICATIONS

- Primarily used for interconnection wiring of grounded or ungrounded photovoltaic power systems as described in Section 690.31(A) and other applicable parts of the National Electrical Code (NEC), NFPA 70

FEATURES

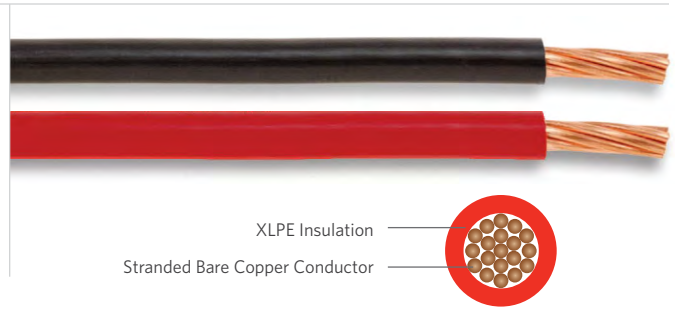
- Rated 90°C wet and dry
- Rated for direct burial
- Excellent moisture resistance
- Sunlight resistant

MARKETS



PRODUCT KEY

Conductor	Stranding	Voltage	Insulation
Cu	B	2000V	XLPE



SPECIFICATIONS

Conductor Count	Single conductor
Conductor	Soft drawn bare copper, Class B stranding
AWG	Copper: Available in 14 AWG through 750 kcmil
Insulation	Cross-linked Polyethylene (XLPE) <ul style="list-style-type: none"> All gauges are type 600V PV/USE-2 or 1000V CSA RPVU90 or 2000V RHH/RHW-2
Color Coding	Black, Red, Green (other colors available upon request)
Marking	0000FT SUPERIOR ESSEX XXAWG (KCMIL) 2000V PV WIRE RHH OR RHW-2 OR 600V USE-2 90C DRY AND WET DIR BUR SUN RES (UL) -40C VW-1 (CSA) RPVU90 1000V MADE IN USA YYYY
Packaging	Non-returnable wood reels in a variety of lengths and dimensions
Performance Compliance	ASTM B UL ® 44 UL 854 UL 4703 CSA C22.2 No. 271 ICEA S-95-658 / NEMA WC70 UL 1581 (flame compliance) CSA FT4/IEEE 1202 (flame compliance)
Other Compliances	EPA 40 CFR, Part 261 OSHA RoHS-compliant/RoHS 2-compliant REACH-compliant

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size AWG/kcmil	Nominal Insulation Thickness in (mm)	Nominal Overall Diameter ¹ in (mm)	Nominal Net Weight ¹ lbs/kft (kg/km)
E5ABS-1BAx009900	14	0.075 (1.90)	0.224 (5.69)	32 (48)
E5ABT-1BAx009900	12	0.075 (1.90)	0.244 (6.20)	42 (62)
E5ABU-1BAx009900	10	0.075 (1.90)	0.268 (6.81)	57 (85)
E5ABV-1MAx009900	8	0.085 (2.16)	0.326 (8.28)	87 (129)
E5ABW-1BAx009900	6	0.085 (2.16)	0.363 (9.22)	123 (183)
E5ABX-1BAx009900	4	0.085 (2.16)	0.406 (10.31)	181 (269)
E5ABY-1BAx009900	2	0.085 (2.16)	0.474 (12.04)	266 (396)
E5ABZ-1BAx009900	1	0.105 (2.67)	0.538 (13.66)	350 (521)
E5ACA-1BAx009900	1/0	0.105 (2.67)	0.586 (14.88)	429 (638)
E5ACB-1BAx009900	2/0	0.105 (2.67)	0.631 (16.03)	527 (784)
E5ACC-1BAx009900	3/0	0.105 (2.67)	0.674 (17.12)	647 (963)
E5ACD-1BAx009900	4/0	0.105 (2.67)	0.737 (18.72)	796 (1,184)
E5ACE-1BAx009900	250	0.120 (3.05)	0.804 (20.42)	938 (1,396)
E5ACG-1BAx009900	350	0.120 (3.05)	0.907 (23.04)	1,257 (1,870)
E5ACJ-1BAx009900	500	0.120 (3.05)	1.035 (26.29)	1737 (2,585)
E5ACL-1BAx009900	750	0.135 (3.43)	1.244 (31.60)	2620 (3,900)

¹The dimensions and weights shown are nominal and subject to industry standards and manufacturing tolerances. Other designs available upon request. UL is a registered trademark of UL LLC.

JACKET COLORS

²Replace "x" with: Black = 0, Brown = 1, Red = 2, Orange = 3, Yellow = 4, Green = 5, Blue = 6, Purple = 7, Gray = 8, White = 9

²"x" in the part number is to be substituted based on the color of the insulation (e.g., 0=Black, 1=Brown, 2=Red, 3=Orange, 4=Yellow, 5=Green, 6=Blue, 7=Purple, 8=Gray and 9 = White)