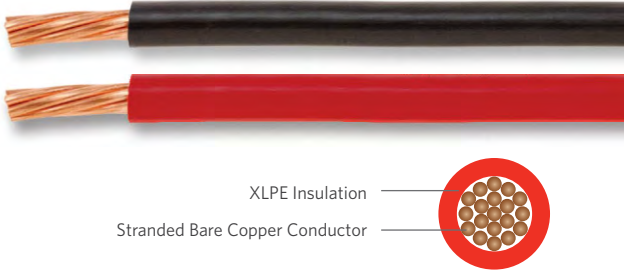


Photovoltaic Wire XLPE, Type PV, 600V

Series E5A



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	00000FT SUPERIOR ESSEX XXAWG (KCMIL) 600V PV WIRE OR 2000V 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

PRODUCT DESCRIPTION

The Superior Essex XLPE, Photovoltaic Wire, 600V, 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	600V	XLPE

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)
E5AAA-1BAx009900	14	0.060 (1.52)	0.194 (4.93)	27 (40)
E5AAB-1BAx009900	12	0.060 (1.52)	0.214 (5.43)	36 (54)
E5AAC-1BAx009900	10	0.060 (1.52)	0.238 (6.04)	51 (76)
E5AAD-1MAx009900	8	0.080 (2.02)	0.313 (7.95)	88 (131)
E5AAE-1BAx009900	6	0.080 (2.02)	0.356 (9.04)	126 (186)
E5AAF-1BAx009900	4	0.080 (2.02)	0.405 (10.29)	183 (272)
E5AAG-1BAx009900	2	0.080 (2.02)	0.466 (11.84)	269 (401)
E5AAH-1BAx009900	1	0.095 (2.41)	0.515 (13.08)	333 (495)
E5AAJ-1BAx009900	1/0	0.095 (2.41)	0.563 (14.30)	410 (610)
E5AAK-1BAx009900	2/0	0.095 (2.41)	0.608 (15.44)	502 (747)
E5AAL-1BAx009900	3/0	0.095 (2.41)	0.658 (16.71)	620 (922)
E5AAM-1BAx009900	4/0	0.095 (2.41)	0.714 (18.13)	767 (1141)
E5AAN-1BAx009900	250	0.110 (2.79)	0.784 (19.91)	923 (1374)
E5AAQ-1BAx009900	350	0.110 (2.79)	0.887 (22.53)	1240 (1845)
E5AAS-1BAx009900	500	0.110 (2.79)	1.015 (25.78)	1718 (2557)
E5AAU-1BAx009900	750	0.125 (3.18)	1.224 (31.09)	2597 (3865)

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)