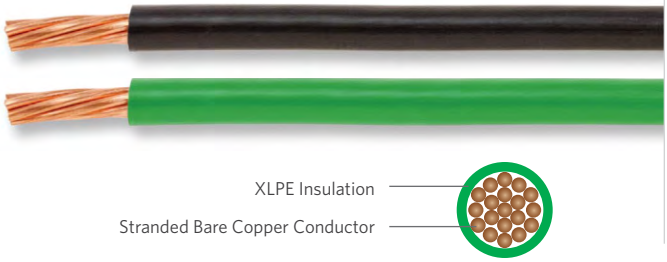
XLPE (XHHW-2) 600V

Series E5000



PRODUCT DESCRIPTION

Type XHHW-2 are soft drawn bare copper conductors, insulated with an abrasion, moisture, heat and sunlight resistant, flame retardant cross-linked polyethylene.

APPLICATIONS

- Primarily used in conduit, cable tray or other recognized raceways for service, feeders, and branch circuit wiring as specified in the NEC
- Conductors are sunlight resistant and may be used in wet or dry locations at temperatures not to exceed 90°C

FEATURES

- Rated at 90°C wet or dry
- Excellent sunlight resistance
- 4 AWG through 1 AWG (Green) are CT USE when marked as "EQUIPMENT GROUND"

MARKETS

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) • All gauges are type XHHW-2
Color Coding	Black, Red, Green (other colors available upon request)
Marking	**Smaller than 1/0 AWG:** SUPERIOR ESSEX XXAWG XHHW-2 600V 90C WET OR DRY (UL) SR VW-1 PRI PRII GRI -40C MADE IN USA MMDDYYYY **For 1/0 AWG and larger:** SUPERIOR ESSEX XXAWG (or XXXKCMIL) XHHW-2 600V 90C WET OR DRY (UL) SSR VW-1 PRI PRII GRI CT USE -40C MADE IN USA MMDDYYYY
Packaging	Non-returnable wood reels in a variety of lengths and dimensions
Performance Compliance	UL® 44 Thermoset-Insulated Wires and Cables. ASTM B8 UL 1685 UL CT Flame Exposure Test ICEA S-95-658 (NEMA WC 70)
Other Compliances	EPA 40 CFR, Part 261 OSHA RoHS-compliant/RoHS 2-compliant REACH-compliant

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)	Ampacity
E5041-1BAx009900	14	0.030 (0.76)	0.130 (3.30)	18 (27)	15
E5042-1BAx009900	12	0.030 (0.76)	0.147 (3.73)	26 (39)	20
E5043-1BAx009900	10	0.030 (0.76)	0.171 (4.34)	40 (60)	30
E5045-1MAx009900	8	0.045 (1.14)	0.240 (6.10)	67 (100)	55
E5046-1BAx009900	6	0.045 (1.14)	0.276 (7.01)	99 (148)	75
E5047-1BAx009900	4	0.045 (1.14)	0.323 (8.20)	150 (224)	95
E5048-1BAx009900	2	0.045 (1.14)	0.381 (9.68)	230 (343)	130
E5049-1BAx009900	1	0.055 (1.40)	0.469 (11.90)	333 (497)	150
E5050-1BAx009900	1/0	0.055 (1.40)	0.482 (12.24)	364 (544)	170
E5051-1BAx009900	2/0	0.055 (1.40)	0.525 (13.34)	452 (675)	195
E5052-1BAx009900	3/0	0.055 (1.40)	0.576 (14.63)	563 (841)	225
E5053-1BAx009900	4/0	0.055 (1.40)	0.632 (16.05)	701 (1,047)	260
E5054-1BAx009900	250	0.095 (2.41)	0.695 (17.66)	824 (1,230)	290
E5058-1BAx009900	350	0.095 (2.41)	0.807 (20.50)	1,155 (1,725)	350
E5063-1BAx009900	500	0.095 (2.41)	0.935 (23.75)	1,625 (2,426)	430
E5134-1BAx009900	750	0.095 (2.41)	1.148 (29.16)	2,439 (3,642)	535

[1]The dimensions and weights shown are nominal and subject to industry standards and manufacturing tolerances. Other designs available upon request.
Ampacities are in accordance with NEC table 310.16, for 90°C.
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JACKET COLORS

[2]Replace "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)

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