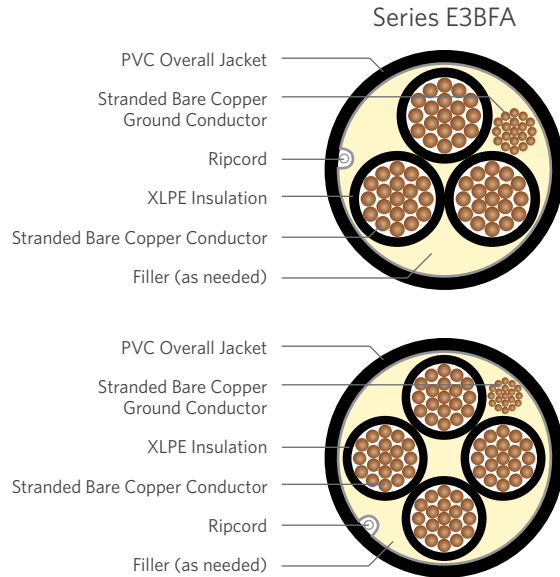


XLPE/PVC, 600V Power, Type TC-ER

Series E3BF



PRODUCT DESCRIPTION

The Superior Essex XLPE/PVC, 600V Power, Type TC-ER Cable consist of fully annealed bare copper Class B stranded conductors, covered with Cross-linked Polyethylene (XLPE) insulation, unshielded and black PVC jacket. These cables are used in industrial power.

APPLICATIONS

- In conduit, duct, free air, raceways and direct burial, primary installations include cable trays, and outdoor locations
- In wet or dry locations
- Approved for Class I, Div. 2 industrial hazardous locations per NEC
- Permitted for Exposed Run (ER) use in accordance with NEC for 3 or more conductors

FEATURES

- Rated at 90°C wet or dry
- Ripcord (for jackets with thicknesses of 60-mils or less)
- Excellent sunlight resistance
- Smallest O.D. available for suitable applications
- Meets cold bend test at -25°C

MARKETS



SPECIFICATIONS

Conductor Count	Available in 3 or 4 conductors
Conductor	Fully annealed bare copper Class B compressed strand per ASTM B8
Gauge Sizes	Available in 12 AWG through 750 kcmil
Insulation	Cross-linked Polyethylene (XLPE) <ul style="list-style-type: none"> • All gauges are type XHHW-2
Color Coding	Per ICEA S-58-679 Method 4; additional color coding options available
Fillers	Non-hygroscopic fillers, as necessary to obtain a circular cross section
Ground Conductor	Uninsulated bare copper ground
Jacket	Polyvinyl Chloride (PVC)
Jacket Marking	00000 FT SUPERIOR ESSEX XXAWG XX/C XHHW-2 PVC JKT 600V 90C WET OR DRY TYPE TC-ER (UL) SUN RES DIR BURIAL MADE IN USA MMDDYYYY
Packaging	Non-returnable wood reels in a variety of lengths and dimensions
Performance Compliance	ASTM B8 ASTM B33 UL® 44 UL 1277 UL 1685 (flame compliance) ICEA S-95-658/NEMA WC70 NEC
Other Compliances	EPA 40 CFR, Part 261 OSHA RoHS-compliant/RoHS 2-compliant REACH-compliant

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PRODUCT KEY

Conductor	Stranding	Voltage	Insulation	Shielding	Jacket
Cu	B	600V	XLPE	NONE	PVC

Unshielded Series E3BFA

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Count	Conductor Size AWG/kcmil	Ground Size AWG	Nominal Insulation Thickness ¹ in (mm)	Nominal Jacket Thickness ¹ in (mm)	Nominal Overall Diameter ¹ in (mm)	Nominal Net Weight ¹ lbs/kft (kg/km)
E3BFA-121B03CE00	3	12	12	0.030 (0.76)	0.045 (1.14)	0.44 (11.1)	143 (213)
E3BFA-121B04CE00	4	12	12	0.030 (0.76)	0.045 (1.14)	0.52 (13.1)	191 (284)
E3BFA-101B03CE00	3	10	10	0.030 (0.76)	0.060 (1.52)	0.49 (12.3)	201 (299)
E3BFA-101B04CE00	4	10	10	0.030 (0.76)	0.060 (1.52)	0.62 (15.6)	287 (427)
E3BFA-081M03CE00	3	8	10	0.045 (1.14)	0.060 (1.52)	0.66 (16.8)	301 (448)
E3BFA-081M04CE00	4	8	10	0.045 (1.14)	0.060 (1.52)	0.72 (18.3)	383 (571)
E3BFA-061B03CE00	3	6	8	0.045 (1.14)	0.060 (1.52)	0.74 (18.8)	409 (609)
E3BFA-061B04CE00	4	6	8	0.045 (1.14)	0.060 (1.52)	0.81 (20.6)	546 (814)
E3BFA-041B03CE00	3	4	8	0.045 (1.14)	0.080 (2.03)	0.88 (22.4)	641 (955)
E3BFA-041B04CE00	4	4	8	0.045 (1.14)	0.080 (2.03)	0.97 (24.6)	807 (1,202)
E3BFA-021B03CE00	3	2	6	0.045 (1.14)	0.080 (2.03)	1.01 (25.7)	964 (1,436)
E3BFA-021B04CE00	4	2	6	0.045 (1.14)	0.080 (2.03)	1.11 (28.2)	1,205 (1,795)
E3BFA-011B03CE00	3	1	6	0.055 (1.40)	0.080 (2.03)	1.14 (29.0)	1,172 (1,746)
E3BFA-011B04CE00	4	1	6	0.055 (1.40)	0.080 (2.03)	1.25 (31.8)	1,502 (2,238)
E3BFA-1A1B03CE00	3	1/0	6	0.055 (1.40)	0.080 (2.03)	1.22 (31.0)	1,401 (2,087)
E3BFA-1A1B04CE00	4	1/0	6	0.055 (1.40)	0.080 (2.03)	1.35 (34.3)	1,813 (2,701)
E3BFA-2A1B03CE00	3	2/0	6	0.055 (1.40)	0.080 (2.03)	1.32 (33.5)	1,656 (2,467)
E3BFA-2A1B04CE00	4	2/0	6	0.055 (1.40)	0.080 (2.03)	1.45 (36.8)	2,174 (3,239)
E3BFA-3A1B03CE00	3	3/0	4	0.055 (1.40)	0.080 (2.03)	1.42 (36.1)	2,139 (3,187)
E3BFA-3A1B04CE00	4	3/0	4	0.055 (1.40)	0.080 (2.03)	1.58 (40.1)	2,734 (4,074)
E3BFA-4A1B03CE00	3	4/0	4	0.055 (1.40)	0.080 (2.03)	1.54 (39.1)	2,529 (3,768)
E3BFA-4A1B04CE00	4	4/0	4	0.055 (1.40)	0.110 (2.79)	1.78 (45.2)	3,360 (5,006)
E3BFA-A11B03CE00	3	250	4	0.065 (1.65)	0.110 (2.79)	1.77 (44.9)	3,113 (4,638)
E3BFA-A11B04CE00	4	250	4	0.065 (1.65)	0.110 (2.79)	1.96 (49.7)	4,013 (5,979)
E3BFA-A31B03CE00	3	350	3	0.065 (1.65)	0.110 (2.79)	1.99 (50.5)	4,194 (6,249)
E3BFA-A31B04CE00	4	350	3	0.065 (1.65)	0.110 (2.79)	2.20 (56.0)	5,413 (8,065)
E3BFA-A61B03CE00	3	500	2	0.065 (1.65)	0.110 (2.79)	2.27 (57.6)	5,737 (8,548)
E3BFA-A61B04CE00	4	500	2	0.065 (1.65)	0.110 (2.79)	2.51 (63.8)	7,482 (11,148)
E3BFA-B21B03CE00	3	750	1	0.080 (2.03)	0.140 (3.56)	2.72 (69.2)	8,465 (12,613)
E3BFA-B21B04CE00	4	750	1	0.080 (2.03)	0.140 (3.56)	3.09 (78.6)	11,187 (16,668)

¹The dimensions and weights shown are nominal and subject to industry standards and manufacturing tolerances. Other designs available upon request.