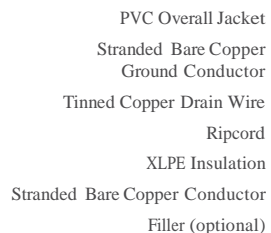
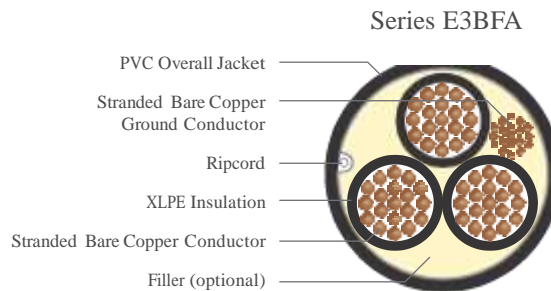


XLPE/PVC, 600V Power, Type TC-ER

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 or shielded 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 direct burial, 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 dry or wet
- Ripcord (for jackets under 60mils)
- Excellent sunlight resistance
- Smallest O.D. available for suitable applications
- Meets cold bend test at -25°C

Specifications

Conductor Count	Available in 3 or 4 conductors
Conductor	Fully annealed bare copper Class B
AWG	Available in 12 AWG through 750 kcmil
Insulation	Cross-linked Polyethylene (XLPE)
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
Shield (optional)	Overall aluminum polyester foil in contact with 20 AWG stranded tinned copper drain wire
Jacket	Polyvinyl Chloride (PVC)
Jacket Marking	00000 FT SUPERIOR ESSEX XXAWG XX/C XHHW-2 PVC JKT 600V 90C DRY OR WET 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 1581 ICEA S-95-658/NEMA WC70 NEC
Other Compliances	EPA 40 CFR, Part 261 OSHA RoHS-Compliance

Shielding Options

XLPE or NONE or OS Alum Mylar OS Copper Tape PVC

Conductor

600V

Series E3BF

Part Numbers and Physical Characteristics

Part Number	Conductor Count	Conductor Size AWG/kcmil	Ground Size AWG	Insulation Thickness in (mm)	Jacket Thickness in (mm)	Overall Diameter in (mm)	Net Weight lbs/kft (kg/km)
E3BFA-121B03CE00	3	12	12	0.030 (0.76)	0.045 (1.14)	0.44 (11.2)	139 (207)
E3BFA-121B04CE00	4	12	12	0.030 (0.76)	0.045 (1.14)	0.48 (12.2)	168 (250)
E3BFA-101B03CE00	3	10	10	0.030 (0.76)	0.060 (1.52)	0.49 (12.4)	195 (291)
E3BFA-101B04CE00	4	10	10	0.030 (0.76)	0.060 (1.52)	0.57 (14.5)	256 (381)
E3BFA-081B03CE00	3	8	10	0.045 (1.14)	0.060 (1.52)	0.66 (16.8)	301 (448)
E3BFA-081B04CE00	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	6	0.055 (1.40)	0.080 (2.03)	1.42 (36.1)	2,139 (3,187)
E3BFA-3A1B04CE00	4	3/0	6	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)

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