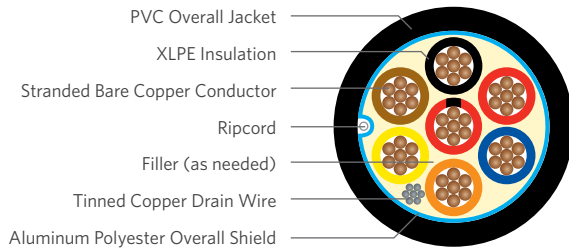
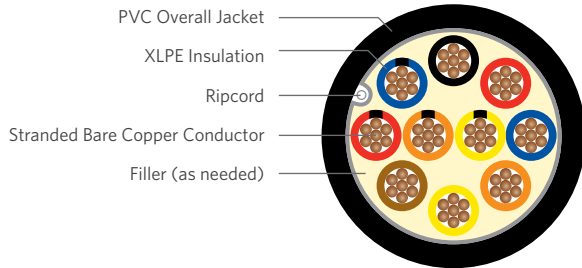


XLPE/PVC, 600V Control, Type TC-ER

Series E2BF



Series E2BFA



Series E2BFB

PRODUCT DESCRIPTION

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

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) used in accordance with NEC for 3 or more conductors; two conductors without a ground wire are Type TC only

FEATURES

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

MARKETS



SPECIFICATIONS

Conductor Count	Available in 2 through 37 conductors
Conductor	Fully annealed bare copper Class B compressed strand
Gauge Sizes	Available in 18 through 10 AWG
Insulation	Cross-linked Polyethylene (XLPE) <ul style="list-style-type: none"> • 18 through 16 AWG are type RFH-2 • 14 AWG and larger are type XHHW-2
Color Coding	Per ICEA S-58-679 Method 1, Table E-2; additional color coding options available
Fillers	Non-hygroscopic fillers, as necessary to obtain a round finish conductor
Shield (optional)	Overall aluminum polyester foil in contact with 20 AWG stranded tinned copper drain wire
Jacket	Polyvinyl Chloride (PVC)
Jacket Marking	<p>Type TC (2 conductors): 00000 FT SUPERIOR ESSEX XXAWG 2/C XLPE (or XHHW-2) PVC JKT 600V 90C WET OR DRY TYPE TC (UL) SUN RES DIR BUR MADE IN USA MMDDYYYY</p> <p>Type TC-ER, conductor sizes 18 AWG - 16 AWG: 00000 FT SUPERIOR ESSEX XXAWG XX/C XLPE PVC JKT 600V 90C WET OR DRY TYPE TC-ER (UL) SUN RES DIR BUR MADE IN USA MMDDYYYY</p> <p>Type TC-ER, conductor sizes 14 AWG - 10 AWG: 00000 FT SUPERIOR ESSEX XXAWG XX/C XHHW-2 PVC JKT 600V 90C WET OR DRY TYPE TC-ER (UL) SUN RES DIR BUR MADE IN USA MMDDYYYY</p>
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-73-532/NEMA WC57, ICEA S-95-658/NEMA WC70 NEC
Other Compliances	EPA 40 CFR, Part 261 OSHA RoHS-compliant/RoHS 2-compliant REACH-compliant

UL is a registered trademark of UL LLC.

PRODUCT KEY

Conductor	Stranding	Voltage	Insulation	Shielding Options	Jacket
Cu	B	600V	XLPE	NONE or OS Alum Mylar	PVC

Unshielded Series E2BFA

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Count	Conductor 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)
E2BFA-141B02CB00	2	14	0.030 (0.76)	0.045 (1.14)	0.365 (9.27)	67 (100)
E2BFA-141B03CB00	3	14	0.030 (0.76)	0.045 (1.14)	0.390 (9.91)	87 (130)
E2BFA-141B04CB00	4	14	0.030 (0.76)	0.045 (1.14)	0.425 (10.80)	107 (160)
E2BFA-141B05CB00	5	14	0.030 (0.76)	0.045 (1.14)	0.465 (11.81)	129 (193)
E2BFA-141B07CB00	7	14	0.030 (0.76)	0.045 (1.14)	0.590 (14.99)	168 (251)
E2BFA-141B09CB00	9	14	0.030 (0.76)	0.060 (1.52)	0.620 (15.75)	230 (343)
E2BFA-141B12CB00	12	14	0.030 (0.76)	0.060 (1.52)	0.680 (17.27)	287 (428)
E2BFA-141B19CB00	19	14	0.030 (0.76)	0.060 (1.52)	0.800 (20.32)	416 (621)
E2BFA-141B25CB00	25	14	0.030 (0.76)	0.060 (1.52)	0.985 (25.02)	575 (858)
E2BFA-141B30CB00	30	14	0.030 (0.76)	0.080 (2.03)	1.050 (26.67)	663 (990)
E2BFA-141B37CB00	37	14	0.030 (0.76)	0.080 (2.03)	1.130 (28.70)	791 (1,181)
E2BFA-121B02CB00	2	12	0.030 (0.76)	0.045 (1.14)	0.410 (10.14)	96 (143)
E2BFA-121B03CB00	3	12	0.030 (0.76)	0.045 (1.14)	0.435 (11.05)	125 (186)
E2BFA-121B04CB00	4	12	0.030 (0.76)	0.045 (1.14)	0.475 (12.07)	157 (234)
E2BFA-121B05CB00	5	12	0.030 (0.76)	0.045 (1.14)	0.515 (13.08)	191 (284)
E2BFA-121B07CB00	7	12	0.030 (0.76)	0.060 (1.52)	0.595 (15.11)	260 (387)
E2BFA-121B09CB00	9	12	0.030 (0.76)	0.060 (1.52)	0.695 (17.65)	340 (506)
E2BFA-121B12CB00	12	12	0.030 (0.76)	0.060 (1.52)	0.780 (19.81)	429 (638)
E2BFA-121B19CB00	19	12	0.030 (0.76)	0.080 (2.03)	0.930 (23.62)	681 (1,013)
E2BFA-121B25CB00	25	12	0.030 (0.76)	0.080 (2.03)	1.095 (27.81)	885 (1,317)
E2BFA-121B30CB00	30	12	0.030 (0.76)	0.080 (2.03)	1.150 (29.21)	1,005 (1,496)
E2BFA-121B37CB00	37	12	0.030 (0.76)	0.080 (2.03)	1.240 (31.50)	1,185 (1,764)
E2BFA-101B02CB00	2	10	0.030 (0.76)	0.045 (1.14)	0.455 (11.56)	130 (193)
E2BFA-101B03CB00	3	10	0.030 (0.76)	0.045 (1.14)	0.485 (12.32)	173 (257)
E2BFA-101B04CB00	4	10	0.030 (0.76)	0.060 (1.52)	0.571 (14.50)	236 (351)
E2BFA-101B05CB00	5	10	0.030 (0.76)	0.060 (1.52)	0.615 (15.62)	287 (427)
E2BFA-101B07CB00	7	10	0.030 (0.76)	0.060 (1.52)	0.670 (17.02)	371 (552)
E2BFA-101B09CB00	9	10	0.030 (0.76)	0.060 (1.52)	0.785 (19.94)	479 (713)
E2BFA-101B12CB00	12	10	0.030 (0.76)	0.080 (2.03)	0.895 (22.73)	644 (958)

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