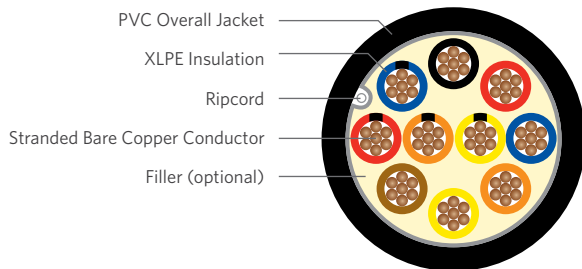


XLPE/PVC, 600V Control, Type TC-ER

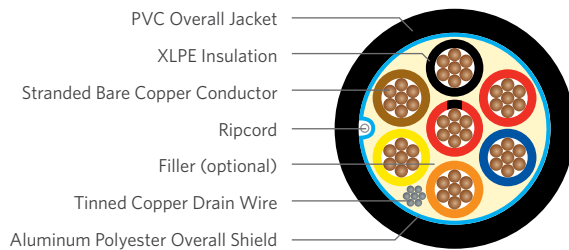
Series E2BF



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 direct burial, 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 under 60-mils)
- Excellent sunlight resistance
- Cold impact resistant
- Smallest OD available for suitable applications
- Meets cold bend test at -25°C

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)
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
Ground Conductor (optional)	Insulated or uninsulated ground copper 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 90°C WET OR DRY TYPE TC (UL) SUN RES DIR BUR Made in the 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 ICEA S-73-532/NEMA WC57 ICEA S-95-658/NEMA WC70 NEC
Other Compliances	EPA 40 CFR, Part 261 OSHA RoHS-compliant

PRODUCT KEY

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

Unshielded Series E2BFA**PART NUMBERS AND PHYSICAL CHARACTERISTICS**

Part Number	Conductor Count	Conductor Size AWG	Insulation Thickness in (mm)	Jacket Thickness in (mm)	Overall Diameter in (mm)	Net Weight 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)

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