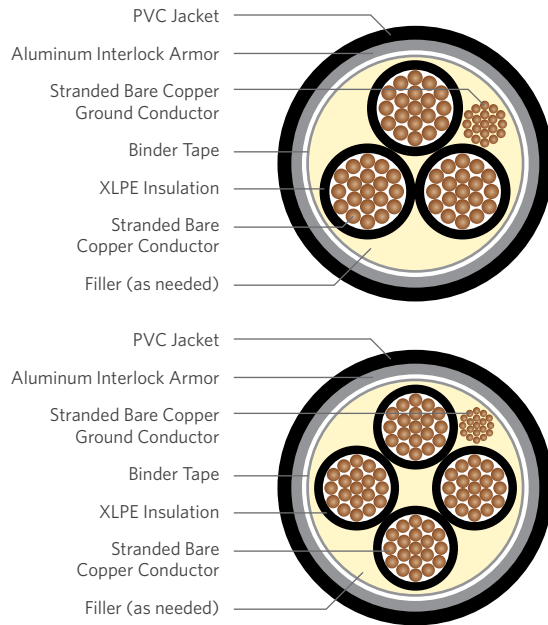


XLPE/AIA/PVC, 600V Power, Type MC

Series E3BFP



PRODUCT DESCRIPTION

The Superior Essex XLPE/AIA/PVC, 600V Power Type MC Cables consist of copper conductors, insulated with cross-linked polyethylene (XLPE), a bare ground, covered with a binder tape, aluminum interlock armored (AIA), and PVC jacket.

APPLICATIONS

- For commercial, industrial and utility applications
- For wet or dry locations
- In free air, raceways, and direct burial
- Approved for Class I, Div. 2, Class II Div. 2, and Class III Div. 1, industrial hazardous locations per NEC

FEATURES

- Rated at 90°C wet or dry locations
- Excellent sunlight resistance
- Meets cold bend test at -25°C
- Low dielectric loss
- Flame Compliances
 - » UL® 1581
 - » CSA FT4/IEEE 1202

MARKETS



SPECIFICATIONS

Conductor Count	Available in 3 or 4 conductors
Conductor	Fully annealed, bare copper Class B compressed strand
Gauge Sizes	Available in 8 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, fully annealed, bare copper Class B compressed strand
Armor	Aluminum interlock armored (AIA)
Jacket	Polyvinyl chloride (PVC)
Jacket Marking	00000 FT SUPERIOR ESSEX XXAWG (KCMIL) CU X/C WITH GND XHHW-2 PVC JKT 600V 90C WET OR DRY AIA TYPE MC (UL) SUN RES FOR CT USE DIR BUR FT4/IEEE 1202 MADE IN USA MMDDYYYY
Packaging	Non-returnable wood reels in a variety of lengths and dimensions
Performance Compliances	ASTM B-8, ASTM B-787 UL 44, UL 1569, UL 1581, UL 1685 (flame compliance) CSA FT4/IEEE 1202 (flame compliance) ICEA S-95-658 / WC 70
Other Compliances	RoHS-compliant/RoHS 2-compliant REACH-compliant

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PRODUCT KEY

Conductor	Stranding	Voltage	Insulation	Armor	Jacket
Cu	B	600V	XLPE	AIA	PVC

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Count	Conductor Size AWG/kcmil	Ground Size AWG	Nominal Insulation Thickness ¹ in (mm)	Nominal Diameter Under the Armor ¹ in (mm)	Nominal Jacket Thickness ¹ in (mm)	Nominal Overall Diameter ¹ in (mm)	Nominal Net Weight ¹ lbs/kft (kg/km)
E3BFP-081M03CE00	3	8	10	0.045 (1.14)	0.538 (13.7)	0.050 (1.27)	0.821 (20.9)	420 (625)
E3BFP-081M04CE00	4	8	10	0.045 (1.14)	0.601 (15.3)	0.050 (1.27)	0.871 (22.1)	507 (755)
E3BFP-061B03CE00	3	6	8	0.045 (1.14)	0.615 (15.6)	0.050 (1.27)	0.896 (22.8)	567 (844)
E3BFP-061B04CE00	4	6	8	0.045 (1.14)	0.688 (17.5)	0.050 (1.27)	0.956 (24.3)	670 (997)
E3BFP-041B03CE00	3	4	8	0.045 (1.14)	0.721 (18.3)	0.050 (1.27)	0.995 (25.27)	757 (1127)
E3BFP-041B04CE00	4	4	8	0.045 (1.14)	0.806 (20.5)	0.050 (1.27)	1.068 (27.13)	912 (1357)
E3BFP-021B03CE00	3	2	6	0.045 (1.14)	0.845 (21.5)	0.050 (1.27)	1.118 (28.4)	1075 (1600)
E3BFP-021B04CE00	4	2	6	0.045 (1.14)	0.946 (24.1)	0.050 (1.27)	1.212 (30.8)	1295 (1927)
E3BFP-011B03CE00	3	1	6	0.055 (1.40)	0.976 (24.8)	0.050 (1.27)	1.258 (32.1)	1269 (1889)
E3BFP-011B04CE00	4	1	6	0.055 (1.40)	1.093 (27.8)	0.050 (1.27)	1.368 (34.7)	1596 (2375)
E3BFP-1A1B03CE00	3	1/0	6	0.055 (1.40)	1.062 (27.1)	0.050 (1.27)	1.344 (34.1)	1528 (2274)
E3BFP-1A1B04CE00	4	1/0	6	0.055 (1.40)	1.191 (30.2)	0.050 (1.27)	1.465 (37.2)	1913 (2847)
E3BFP-2A1B03CE00	3	2/0	6	0.055 (1.40)	1.155 (29.3)	0.050 (1.27)	1.437 (36.5)	1860 (2768)
E3BFP-2A1B04CE00	4	2/0	6	0.055 (1.40)	1.294 (32.9)	0.050 (1.27)	1.688 (42.9)	2345 (3490)
E3BFP-3A1B03CE00	3	3/0	4	0.055 (1.40)	1.264 (32.1)	0.050 (1.27)	1.543 (39.2)	2259 (3362)
E3BFP-3A1B04CE00	4	3/0	4	0.055 (1.40)	1.417 (36.1)	0.060 (1.52)	1.807 (45.9)	2878 (4283)
E3BFP-4A1B03CE00	3	4/0	4	0.055 (1.40)	1.379 (35.1)	0.060 (1.52)	1.784 (45.3)	2840 (4226)
E3BFP-4A1B04CE00	4	4/0	4	0.055 (1.40)	1.512 (38.4)	0.060 (1.81)	1.900 (48.3)	3586 (5336)
E3BFP-A11B03CE00	3	250	4	0.065 (1.65)	1.501 (38.1)	0.060 (1.81)	1.931 (49.0)	3275 (4878)
E3BFP-A11B04CE00	4	250	4	0.065 (1.65)	1.676 (42.6)	0.060 (1.81)	2.106 (53.5)	4194 (6240)
E3BFP-A31B03CE00	3	350	3	0.065 (1.65)	1.723 (43.8)	0.060 (1.81)	2.153 (54.7)	4396 (6542)
E3BFP-A31B04CE00	4	350	3	0.065 (1.65)	1.925 (48.9)	0.060 (1.81)	2.355 (59.8)	5646 (8401)
E3BFP-A61B03CE00	3	500	2	0.065 (1.65)	2.002 (50.8)	0.060 (1.81)	2.462 (62.5)	6104 (9083)
E3BFP-A61B04CE00	4	500	2	0.065 (1.65)	2.240 (56.9)	0.075 (1.91)	2.700 (68.6)	7838 (11662)
E3BFP-B21B03CE00	3	750	1	0.065 (1.65)	2.455 (62.4)	0.075 (1.91)	2.915 (74.0)	8860 (13184)
E3BFP-B21B04CE00	4	750	1	0.065 (1.65)	2.795 (71.0)	0.075 (1.91)	3.240 (82.3)	11494 (17104)

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