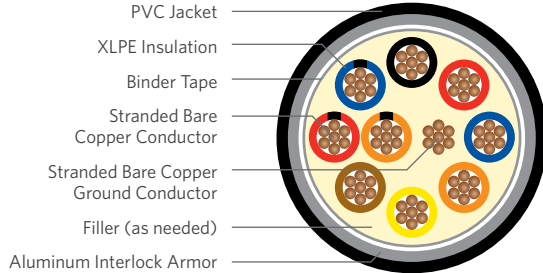


XLPE/AIA/PVC, 600V Control, Type MC

Series E2BFP



PRODUCT DESCRIPTION

The Superior Essex XLPE/AIA/PVC, 600V Control 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 a 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 2 through 37 conductors
Conductor	Fully annealed, bare copper Class B compressed strand
Gauge Sizes	Available in 14 AWG through 10 AWG
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 1 (Table E-1 or E-2); 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 CU XX/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 MMDYYYY
Packaging	Non-returnable wood reels in a variety of lengths and dimensions
Performance Compliances	ASTM B-8 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

UL is a registered trademark of UL LLC.

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	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)
E2BFP-141B02CB00	2	14	14	0.030 (0.76)	0.288 (7.3)	0.060 (1.52)	0.581 (14.7)	160 (238)
E2BFP-141B03CB00	3	14	14	0.030 (0.76)	0.309 (7.9)	0.060 (1.52)	0.625 (15.9)	180 (268)
E2BFP-141B04CB00	4	14	14	0.030 (0.76)	0.345 (8.8)	0.060 (1.52)	0.665 (16.9)	210 (313)
E2BFP-141B05CB00	5	14	14	0.030 (0.76)	0.384 (9.7)	0.060 (1.52)	0.695 (17.7)	230 (342)
E2BFP-141B07CB00	7	14	14	0.030 (0.76)	0.425 (10.8)	0.060 (1.52)	0.751 (19.1)	275 (409)
E2BFP-141B09CB00	9	14	14	0.030 (0.76)	0.524 (13.3)	0.060 (1.52)	0.821 (20.8)	330 (491)
E2BFP-141B12CB00	12	14	14	0.030 (0.76)	0.587 (14.9)	0.060 (1.52)	0.895 (22.7)	400 (595)
E2BFP-141B19CB00	19	14	14	0.030 (0.76)	0.702 (17.8)	0.060 (1.52)	0.951 (24.1)	550 (819)
E2BFP-141B25CB00	25	14	14	0.030 (0.76)	0.905 (23.1)	0.060 (1.52)	1.155 (29.3)	730 (1086)
E2BFP-141B37CB00	37	14	14	0.030 (0.76)	0.651 (24.9)	0.060 (1.52)	1.301 (33.1)	980 (1458)
E2BFP-121B02CB00	2	12	12	0.030 (0.76)	0.326 (8.3)	0.060 (1.52)	0.602 (15.3)	196 (292)
E2BFP-121B03CB00	3	12	12	0.030 (0.76)	0.351 (8.9)	0.060 (1.52)	0.612 (15.5)	226 (336)
E2BFP-121B04CB00	4	12	12	0.030 (0.76)	0.391 (9.9)	0.060 (1.52)	0.654 (16.6)	246 (366)
E2BFP-121B05CB00	5	12	12	0.030 (0.76)	0.435 (11.1)	0.060 (1.52)	0.706 (17.9)	302 (449)
E2BFP-121B07CB00	7	12	12	0.030 (0.76)	0.486 (12.3)	0.060 (1.52)	0.743 (18.9)	362 (539)
E2BFP-121B09CB00	9	12	12	0.030 (0.76)	0.594 (15.1)	0.060 (1.52)	0.891 (22.6)	458 (682)
E2BFP-121B12CB00	12	12	12	0.030 (0.76)	0.665 (16.9)	0.060 (1.52)	0.935 (23.7)	545 (811)
E2BFP-121B19CB00	19	12	12	0.030 (0.76)	0.801 (20.3)	0.060 (1.52)	1.081 (27.4)	779 (1159)
E2BFP-121B25CB00	25	12	12	0.030 (0.76)	0.981 (24.9)	0.060 (1.52)	1.301 (33.1)	1040 (1548)
E2BFP-121B37CB00	37	12	12	0.030 (0.76)	1.111 (28.2)	0.060 (1.52)	1.498 (38.1)	1430 (2128)
E2BFP-101B02CB00	2	10	10	0.030 (0.76)	0.373 (9.5)	0.060 (1.52)	0.658 (16.7)	240 (357)
E2BFP-101B03CB00	3	10	10	0.030 (0.76)	0.401 (10.2)	0.060 (1.52)	0.721 (18.3)	312 (464)
E2BFP-101B04CB00	4	10	10	0.030 (0.76)	0.451 (11.5)	0.060 (1.52)	0.731 (18.5)	343 (510)
E2BFP-101B05CB00	5	10	10	0.030 (0.76)	0.563 (14.3)	0.060 (1.52)	0.855 (21.7)	423 (630)
E2BFP-101B07CB00	7	10	10	0.030 (0.76)	0.616 (15.6)	0.060 (1.52)	0.882 (22.4)	509 (757)
E2BFP-101B09CB00	9	10	10	0.030 (0.76)	0.741 (18.8)	0.060 (1.52)	1.021 (25.9)	630 (938)
E2BFP-101B12CB00	12	10	10	0.030 (0.76)	0.807 (20.5)	0.060 (1.52)	1.077 (27.4)	758 (1128)

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