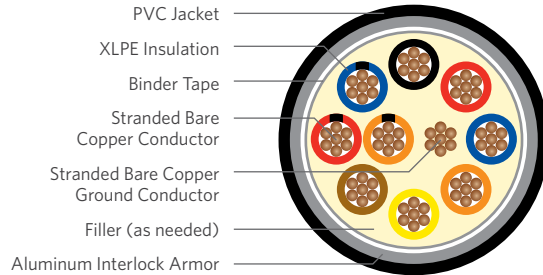


XLPE/AIA/PVC, 600V Control, Type MC

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
 - » IEEE 1202 / CSA FT4

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)
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 90°C WET OR DRY AIA TYPE MC (UL) SUN RES FOR CT USE DIR BUR FT4 MADE IN USA MMDDYYYY
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 IEEE 1202 / CSA FT4 ICEA S-95-658 / WC 70

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	Insulation Thickness in (mm)	Nominal Diameter Under the Armor in (mm)	Jacket Thickness in (mm)	Overall Diameter in (mm)	Net Weight 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)

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