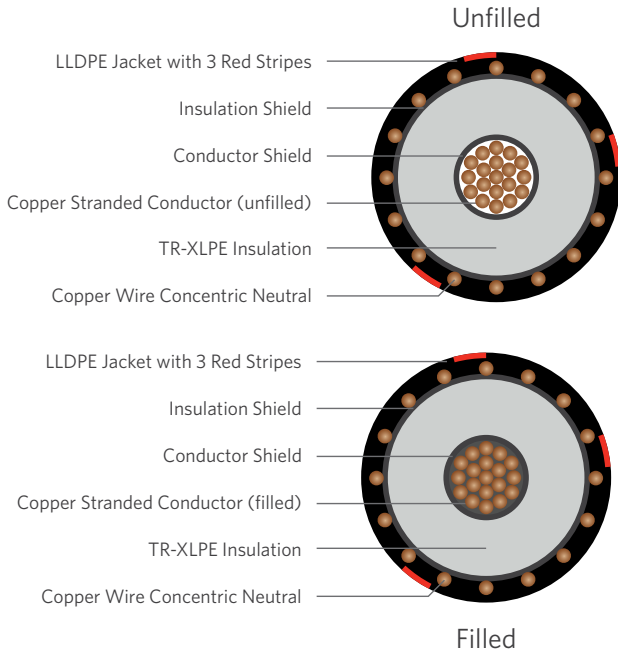


TR-XLPE/CN/LLDPE Power, Type Primary UD, 15kV-35kV

Series E9 (Copper Conductors)



PRODUCT DESCRIPTION

The Superior Essex Medium Voltage Primary Underground Distribution (UD) cables consist of an Copper (filled or unfilled) conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), a concentric neutral of helically applied copper wires, and a linear low-density polyethylene (LLDPE) jacket with 3 extruded red stripes.

APPLICATIONS

- Suitable for underground primary power applications
- For wet or dry locations
- For direct burial or in duct

FEATURES

- High dielectric strength
- Low moisture absorption
- Low dielectric loss
- Excellent resistance to treeing
- Designed to operate continuously at a conductor temperature not exceeding
 - » 90°C for normal operations
 - » 130°C for emergency overload
 - » 250°C for short circuit

MARKETS



SPECIFICATIONS

Conductor Count	1 conductor
Conductor	Fully annealed bare copper Class B compressed strand (filled or unfilled)
Gauge Sizes	Filled: Available in 2 AWG through 1000 kcmil Unfilled: Available in 2 AWG through 1000 kcmil
Conductor Strand Shield	Extruded thermoset Super-Smooth semi-conducting polymer over the conductor
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
Insulation Shield	Extruded thermoset semi-conducting polymer over the insulation
Neutral	Helically applied, annealed, solid bare copper wires
Jacket	Linear Low-Density Polyethylene (LLDPE)
Jacket Marking	00000 FT SUPERIOR ESSEX XXAWG (KCMIL) AL FS 1/C XXKV XXX% INSUL LEVEL XXXMILS TRXLP XXAWG X XX LLDPE JKT MADE IN USA MMDDYYYY
Packaging	Non-returnable wood reels in a variety of lengths and dimensions
Performance Compliances	ASTM B-3 ASTM B-8 ICEA S-94-649 AEIC CS8 RUS U1

PRODUCT KEY

Conductor	Stranding	Voltage	Insulation	Neutral Options	Jacket
Cu	Filled B or B	MV	TR XLPE	RCN or FCN	LLDPE

Copper Unfilled, 15kV 100% I.L., 175-mils Series E9HK

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size AWG/kcmil	Nominal Conductor Diameter ¹ in (mm)	Nominal Insulation Diameter ¹ in (mm)	Concentric Neutral No. x AWG	Nominal Jacket Thickness ¹ in (mm)	Nominal Overall Diameter ¹ in (mm)	Nominal Net Weight ¹ lbs/kft (kg/km)	Ampacity	
								Underground Duct ²	Direct Buried ²
½ Reduced Neutral									
E9HKT-021B01CA00	2	0.280 (7.1)	0.68 (17.3)	6 x 14	0.055 (1.40)	0.98 (24.9)	566 (843)	162	224
E9HKT-011B01CA00	1	0.319 (8.1)	0.72 (18.3)	7 x 14	0.055 (1.40)	1.03 (26.2)	647 (964)	184	252
E9HKT-1A1B01CA00	1/0	0.358 (9.1)	0.76 (19.3)	9 x 14	0.055 (1.40)	1.06 (26.9)	757 (1128)	210	284
E9HKT-2A1B01CA00	2/0	0.401 (10.2)	0.80 (20.4)	11 x 14	0.055 (1.40)	1.11 (28.2)	886 (1320)	238	317
E9HKT-3A1B01CA00	3/0	0.451 (11.5)	0.85 (21.7)	14 x 14	0.055 (1.40)	1.16 (29.5)	1051 (1566)	271	351
E9HKT-4A1B01CA00	4/0	0.507 (12.9)	0.91 (23.1)	18 x 14	0.055 (1.40)	1.21 (30.7)	1259 (1876)	307	385
E9HKT-A11B01CA00	250	0.552 (14.0)	0.97 (24.5)	21 x 14	0.055 (1.40)	1.29 (32.8)	1445 (2163)	336	410
E9HKT-A31B01CA00	350	0.654 (16.6)	1.07 (27.1)	29 x 14	0.055 (1.40)	1.39 (35.4)	1945 (2898)	400	457
E9HKT-A61B01CA00	500	0.781 (19.8)	1.20 (30.4)	26 x 12	0.055 (1.40)	1.57 (39.9)	2685 (4001)	471	501
E9HKT-B21B01CA00	750	0.958 (24.3)	1.39 (35.2)	25 x 10	0.055 (1.40)	1.79 (45.5)	3912 (5829)	548	559
E9HKT-B51B01CA00	1000	1.106 (28.1)	1.53 (38.9)	32 X 10	0.080 (2.04)	2.08 (52.9)	5,107 (7,610)	596	669
Full Neutral									
E9HKM-021B01CA00	2	0.280 (7.1)	0.68 (17.3)	16 x 14	0.055 (1.40)	0.98 (24.9)	682 (1016)	158	217
E9HKM-011B01CA00	1	0.319 (8.1)	0.72 (18.3)	20 x 14	0.055 (1.40)	1.03 (26.2)	830 (1237)	182	246
E9HKM-1A1B01CA00	1/0	0.358 (9.1)	0.76 (19.3)	25 x 14	0.055 (1.40)	1.06 (26.9)	973 (1450)	207	279
E9HKM-2A1B01CA00	2/0	0.401 (10.2)	0.80 (20.4)	32 x 14	0.055 (1.40)	1.11 (28.2)	1196 (1782)	237	317
E9HKM-3A1B01CA00	3/0	0.451 (11.5)	0.85 (21.7)	25 x 14	0.055 (1.40)	1.16 (29.5)	1417 (2111)	270	359
E9HKM-4A1B01CA00	4/0	0.507 (12.9)	0.91 (23.1)	32 x 12	0.055 (1.40)	1.21 (30.7)	1724 (2569)	307	407

Copper Unfilled, 15kV 133% I.L., 220-mils Series E9JK

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size AWG/kcmil	Nominal Conductor Diameter ¹ in (mm)	Nominal Insulation Diameter ¹ in (mm)	Concentric Neutral No. x AWG	Nominal Jacket Thickness ¹ in (mm)	Nominal Overall Diameter ¹ in (mm)	Nominal Net Weight ¹ lbs/kft (kg/km)	Ampacity	
								Underground Duct ²	Direct Buried ²
½ Reduced Neutral									
E9JKT-021B01CA00	2	0.280 (7.1)	0.77 (19.6)	6 x 14	0.055 (1.40)	1.08 (27.4)	625 (931)	162	224
E9JKT-011B01CA00	1	0.319 (8.1)	0.81 (20.6)	7 x 14	0.055 (1.40)	1.12 (28.4)	709 (1056)	184	252
E9JKT-1A1B01CA00	1/0	0.358 (9.1)	0.85 (21.6)	9 x 14	0.055 (1.40)	1.15 (29.2)	821 (1223)	210	284
E9JKT-2A1B01CA00	2/0	0.401 (10.2)	0.89 (22.7)	11 x 14	0.055 (1.40)	1.20 (30.5)	952 (1418)	238	317
E9JKT-3A1B01CA00	3/0	0.451 (11.5)	0.94 (23.9)	14 x 14	0.055 (1.40)	1.25 (31.8)	1120 (1669)	271	351
E9JKT-4A1B01CA00	4/0	0.507 (12.9)	1.00 (25.4)	18 x 14	0.055 (1.40)	1.30 (33.0)	1331 (1983)	307	385
E9JKT-A11B01CA00	250	0.552 (14.0)	1.06 (26.8)	21 x 14	0.055 (1.40)	1.38 (35.1)	1541 (2296)	336	410
E9JKT-A31B01CA00	350	0.654 (16.6)	1.16 (29.4)	29 x 14	0.055 (1.40)	1.48 (37.7)	2029 (3023)	400	457
E9JKT-A61B01CA00	500	0.781 (19.8)	1.29 (32.6)	26 x 12	0.055 (1.40)	1.66 (42.2)	2845 (4239)	471	5001
E9JKT-B21B01CA00	750	0.958 (24.3)	1.48 (37.5)	25 x 10	0.080 (2.04)	1.90 (48.3)	4022 (5993)	548	559
E9JKT-B51B01CA00	1000	1.106 (28.1)	1.62 (41.2)	32 X 10	0.080 (2.04)	2.02 (51.4)	5,229 (6,301)	596	669
Full Neutral									
E9JKM-021B01CA00	2	0.280 (7.1)	0.77 (19.6)	16 x 14	0.055 (1.40)	1.07 (27.2)	625 (931)	162	224
E9JKM-011B01CA00	1	0.319 (8.1)	0.81 (20.6)	20 x 14	0.055 (1.40)	1.12 (28.4)	709 (1056)	184	252
E9JKM-1A1B01CA00	1/0	0.358 (9.1)	0.85 (21.6)	25 x 14	0.055 (1.40)	1.15 (29.2)	821 (1223)	210	284
E9JKM-2A1B01CA00	2/0	0.401 (10.2)	0.89 (22.7)	32 x 14	0.055 (1.40)	1.19 (30.3)	952 (1418)	238	317
E9JKM-3A1B01CA00	3/0	0.451 (11.5)	0.94 (23.9)	25 x 14	0.055 (1.40)	1.26 (32.0)	1120 (1669)	271	351
E9JKM-4A1B01CA00	4/0	0.507 (12.9)	1.00 (25.4)	32 x 12	0.055 (1.40)	1.30 (33.0)	1331 (1983)	307	385

¹The dimensions and weights shown are nominal and subject to industry standards and manufacturing tolerances. Other designs available upon request.²Ampacities: ½ Reduced Neutral, triplexed - based on ICEA Standards. Full Neutral, single phase - based on 90°C conductor, 20°C ambient, 100% load factor, 36" burial depth, and earth RHO 90.

TR-XLPE/CN/LLDPE POWER, TYPE PRIMARY UD (COPPER)

Copper Unfilled, 25kV 100% I.L., 260-mils Series E9KK

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size AWG/kcmil	Nominal Conductor Diameter ¹ in (mm)	Nominal Insulation Diameter ¹ in (mm)	Concentric Neutral No. x AWG	Nominal Jacket Thickness ¹ in (mm)	Nominal Overall Diameter ¹ in (mm)	Nominal Net Weight ¹ lbs/kft (kg/km)	Ampacity	
								Underground Duct ²	Direct Buried ²
½ Reduced Neutral									
E9KKT-011B01CA00	1	0.319 (8.1)	0.89 (22.6)	7 x 14	0.055 (1.40)	1.20 (30.5)	768 (1144)	187	249
E9KKT-1A1B01CA00	1/0	0.358 (9.1)	0.93 (23.6)	9 x 14	0.055 (1.40)	1.23 (31.2)	882 (1314)	213	281
E9KKT-2A1B01CA00	2/0	0.401 (10.2)	0.97 (24.6)	11 x 14	0.055 (1.40)	1.28 (32.5)	1015 (1512)	242	314
E9KKT-3A1B01CA00	3/0	0.451 (11.5)	1.02 (25.9)	14 x 14	0.055 (1.40)	1.35 (34.3)	1206 (1797)	275	349
E9KKT-4A1B01CA00	4/0	0.507 (12.9)	1.08 (27.4)	18 x 14	0.055 (1.40)	1.41 (35.8)	1421 (2117)	311	384
E9KKT-A11B01CA00	250	0.552 (14.0)	1.14 (29.0)	21 x 14	0.055 (1.40)	1.46 (37.1)	1614 (2405)	341	410
E9KKT-A31B01CA00	350	0.654 (16.6)	1.24 (31.5)	29 x 14	0.055 (1.40)	1.56 (39.5)	2109 (3142)	405	460
E9KKT-A61B01CA00	500	0.781 (19.8)	1.37 (34.8)	26 x 12	0.055 (1.40)	1.79 (45.5)	2936 (4375)	475	504
E9KKT-B21B01CA00	750	0.958 (24.3)	1.56 (39.6)	25 x 10	0.080 (2.04)	2.01 (51.1)	4170 (6213)	556	567
E9KKT-B51B01CA00	1000	1.106 (28.1)	1.71 (43.4)	32 X 10	0.080 (2.04)	2.20 (55.9)	5,342 (7,959)	603	620
Full Neutral									
E9KKM-011B01CA00	1	0.319 (8.1)	0.89 (22.6)	20 x 14	0.055 (1.40)	1.19 (30.3)	954 (1421)	187	246
E9KKM-1A1B01CA00	1/0	0.358 (9.1)	0.93 (23.6)	25 x 14	0.055 (1.40)	1.23 (31.2)	1101 (1640)	212	279
E9KKM-2A1B01CA00	2/0	0.401 (10.2)	0.97 (24.6)	32 x 14	0.055 (1.40)	1.27 (32.3)	1333 (1986)	243	317
E9KKM-3A1B01CA00	3/0	0.451 (11.5)	1.02 (25.9)	25 x 14	0.055 (1.40)	1.35 (34.2)	1581 (2356)	276	359
E9KKM-4A1B01CA00	4/0	0.507 (12.9)	1.08 (27.4)	32 x 12	0.055 (1.40)	1.41 (35.8)	1899 (2830)	314	406

Copper Unfilled, 35kV 100% I.L., 345-mils Series E9MK

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size AWG/kcmil	Nominal Conductor Diameter ¹ in (mm)	Nominal Insulation Diameter ¹ in (mm)	Concentric Neutral No. x AWG	Nominal Jacket Thickness ¹ in (mm)	Nominal Overall Diameter ¹ in (mm)	Nominal Net Weight ¹ lbs/kft (kg/km)	Ampacity	
								Underground Duct ²	Direct Buried ²
½ Reduced Neutral									
E9MKT-1A1B01CA00	1/0	0.358 (9.1)	1.10 (27.9)	9 x 14	0.055 (1.40)	1.40 (35.6)	1050 (1565)	216	278
E9MKT-2A1B01CA00	2/0	0.401 (10.2)	1.15 (29.2)	11 x 14	0.055 (1.40)	1.47 (37.3)	1188 (1770)	245	311
E9MKT-3A1B01CA00	3/0	0.451 (11.5)	1.20 (30.5)	14 x 14	0.055 (1.40)	1.52 (38.6)	1365 (2034)	278	347
E9MKT-4A1B01CA00	4/0	0.507 (12.9)	1.26 (32.0)	18 x 14	0.055 (1.40)	1.58 (40.1)	1586 (2363)	314	383
E9MKT-A11B01CA00	250	0.552 (14.0)	1.31 (33.3)	21 x 14	0.055 (1.40)	1.70 (43.2)	1848 (2754)	344	409
E9MKT-A31B01CA00	350	0.654 (16.6)	1.41 (35.8)	29 x 14	0.055 (1.40)	1.78 (45.1)	2363 (3521)	408	461
E9MKT-A61B01CA00	500	0.781 (19.8)	1.54 (39.1)	26 x 12	0.080 (2.04)	1.94 (49.2)	3194 (4759)	480	510
E9MKT-B21B01CA00	750	0.958 (24.3)	1.73 (43.9)	25 x 10	0.080 (2.04)	2.18 (55.4)	4410 (6571)	561	573
E9MKT-B51B01CA00	1000	1.106 (28.1)	1.106 (28.1)	32 X 10	0.080 (2.04)	2.37 (60.2)	5,524 (8,231)	603	620
Full Neutral									
E9MKM-1A1B01CA00	1/0	0.358 (9.1)	1.10 (27.9)	25 x 14	0.055 (1.40)	1.40 (35.6)	1274 (1898)	217	278
E9MKM-2A1B01CA00	2/0	0.401 (10.2)	1.15 (29.2)	32 x 14	0.055 (1.40)	1.48 (37.7)	1516 (2259)	248	316
E9MKM-3A1B01CA00	3/0	0.451 (11.5)	1.20 (30.5)	25 x 14	0.055 (1.40)	1.53 (38.9)	1749 (2606)	281	358
E9MKM-4A1B01CA00	4/0	0.507 (12.9)	1.26 (32.0)	32 x 12	0.055 (1.40)	1.66 (42.1)	2141 (3190)	319	402

¹The dimensions and weights shown are nominal and subject to industry standards and manufacturing tolerances. Other designs available upon request.²Ampacities: ½ Reduced Neutral, triplexed - based on ICEA Standards. Full Neutral, single phase - based on 90°C conductor, 20°C ambient, 100% load factor, 36" burial depth, and earth RHO 90.

Copper Filled, 15kV 100% I.L., 175-mils Series E9JK

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size AWG/kcmil	Nominal Conductor Diameter ¹ in (mm)	Nominal Insulation Diameter ¹ in (mm)	Concentric Neutral No. x AWG	Nominal Jacket Thickness ¹ in (mm)	Nominal Overall Diameter ¹ in (mm)	Nominal Net Weight ¹ lbs/kft (kg/km)	Ampacity	
								Underground Duct ²	Direct Buried ²
½ Reduced Neutral									
E9HKT-025B01CA00	2	0.280 (7.1)	0.68 (17.3)	6 x 14	0.055 (1.40)	0.98 (24.9)	577 (860)	162	224
E9HKT-015B01CA00	1	0.319 (8.1)	0.72 (18.3)	7 x 14	0.055 (1.40)	1.03 (26.2)	660 (983)	184	252
E9HKT-1A5B01CA00	1/0	0.358 (9.1)	0.76 (19.3)	9 x 14	0.055 (1.40)	1.06 (26.9)	772 (1151)	210	284
E9HKT-2A5B01CA00	2/0	0.401 (10.2)	0.80 (20.4)	11 x 14	0.055 (1.40)	1.11 (28.2)	904 (1346)	238	317
E9HKT-3A5B01CA00	3/0	0.451 (11.5)	0.85 (21.7)	14 x 14	0.055 (1.40)	1.16 (29.5)	1072 (1597)	271	351
E9HKT-4A5B01CA00	4/0	0.507 (12.9)	0.91 (23.1)	18 x 14	0.055 (1.40)	1.21 (30.7)	1284 (1914)	307	385
E9HKT-A15B01CA00	250	0.552 (14.0)	0.97 (24.5)	21 x 14	0.055 (1.40)	1.29 (32.8)	1474 (2206)	336	410
E9HKT-A35B01CA00	350	0.654 (16.6)	1.07 (27.1)	29 x 14	0.055 (1.40)	1.39 (35.4)	1984 (2956)	400	457
E9HKT-A65B01CA00	500	0.781 (19.8)	1.20 (30.4)	26 x 12	0.055 (1.40)	1.57 (39.9)	2739 (4081)	471	501
E9HKT-B25B01CA00	750	0.958 (24.3)	1.39 (35.2)	25 x 10	0.055 (1.40)	1.79 (45.5)	3990 (5946)	548	559
E9HKT-B55B01CA00	1000	1.106 (28.1)	1.53 (38.9)	32 X 10	0.080 (2.04)	2.08 (52.9)	5,158 (7,687)	596	669
Full Neutral									
E9HKM-025B01CA00	2	0.280 (7.1)	0.68 (17.3)	16 x 14	0.055 (1.40)	0.98 (24.9)	696 (1036)	158	217
E9HKM-015B01CA00	1	0.319 (8.1)	0.72 (18.3)	20 x 14	0.055 (1.40)	1.03 (26.2)	847 (1262)	182	246
E9HKM-1A5B01CA00	1/0	0.358 (9.1)	0.76 (19.3)	25 x 14	0.055 (1.40)	1.06 (26.9)	992 (1479)	207	279
E9HKM-2A5B01CA00	2/0	0.401 (10.2)	0.80 (20.4)	32 x 14	0.055 (1.40)	1.11 (28.2)	1220 (1818)	237	317
E9HKM-3A5B01CA00	3/0	0.451 (11.5)	0.85 (21.7)	25 x 14	0.055 (1.40)	1.16 (29.5)	1445 (2153)	270	359
E9HKM-4A5B01CA00	4/0	0.507 (12.9)	0.91 (23.1)	32 x 12	0.055 (1.40)	1.21 (30.7)	1758 (2620)	307	407

Copper Filled, 15kV 133% I.L., 220-mils Series E9JK

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size AWG/kcmil	Nominal Conductor Diameter ¹ in (mm)	Nominal Insulation Diameter ¹ in (mm)	Concentric Neutral No. x AWG	Nominal Jacket Thickness ¹ in (mm)	Nominal Overall Diameter ¹ in (mm)	Nominal Net Weight ¹ lbs/kft (kg/km)	Ampacity	
								Underground Duct ²	Direct Buried ²
½ Reduced Neutral									
E9JKT-025B01CA00	2	0.280 (7.1)	0.77 (19.6)	6 x 14	0.055 (1.40)	1.08 (27.4)	638 (950)	162	224
E9JKT-015B01CA00	1	0.319 (8.1)	0.81 (20.6)	7 x 14	0.055 (1.40)	1.12 (28.4)	723 (1077)	184	252
E9JKT-1A5B01CA00	1/0	0.358 (9.1)	0.85 (21.6)	9 x 14	0.055 (1.40)	1.15 (29.2)	837 (1247)	210	284
E9JKT-2A5B01CA00	2/0	0.401 (10.2)	0.89 (22.7)	11 x 14	0.055 (1.40)	1.20 (30.5)	971 (1446)	238	317
E9JKT-3A5B01CA00	3/0	0.451 (11.5)	0.94 (23.9)	14 x 14	0.055 (1.40)	1.25 (31.8)	1142 (1702)	271	351
E9JKT-4A5B01CA00	4/0	0.507 (12.9)	1.00 (25.4)	18 x 14	0.055 (1.40)	1.30 (33.0)	1358 (2023)	307	385
E9JKT-A15B01CA00	250	0.552 (14.0)	1.06 (26.8)	21 x 14	0.055 (1.40)	1.38 (35.1)	1572 (2342)	336	410
E9JKT-A35B01CA00	350	0.654 (16.6)	1.16 (29.4)	29 x 14	0.055 (1.40)	1.48 (37.7)	2070 (3083)	400	457
E9JKT-A65B01CA00	500	0.781 (19.8)	1.29 (32.6)	26 x 12	0.055 (1.40)	1.66 (42.2)	2902 (4324)	471	5001
E9JKT-B25B01CA00	750	0.958 (24.3)	1.48 (37.5)	25 x 10	0.080 (2.04)	1.90 (48.3)	4102 (6113)	548	559
E9JKT-B51B01CA00	1000	1.106 (28.1)	1.62 (41.2)	32 X 10	0.080 (2.04)	2.02 (51.4)	5,281 (6,364)	596	669
Full Neutral									
E9JKM-025B01CA00	2	0.280 (7.1)	0.77 (19.6)	16 x 14	0.055 (1.40)	1.07 (27.2)	638 (950)	162	224
E9JKM-015B01CA00	1	0.319 (8.1)	0.81 (20.6)	20 x 14	0.055 (1.40)	1.12 (28.4)	723 (1077)	184	252
E9JKM-1A5B01CA00	1/0	0.358 (9.1)	0.85 (21.6)	25 x 14	0.055 (1.40)	1.15 (29.2)	837 (1247)	210	284
E9JKM-2A5B01CA00	2/0	0.401 (10.2)	0.89 (22.7)	32 x 14	0.055 (1.40)	1.19 (30.3)	971 (1446)	238	317
E9JKM-3A5B01CA00	3/0	0.451 (11.5)	0.94 (23.9)	25 x 14	0.055 (1.40)	1.26 (32.0)	1142 (1702)	271	351
E9JKM-4A5B01CA00	4/0	0.507 (12.9)	1.00 (25.4)	32 x 12	0.055 (1.40)	1.30 (33.0)	1358 (2023)	307	385

¹The dimensions and weights shown are nominal and subject to industry standards and manufacturing tolerances. Other designs available upon request.²Ampacities: ½ Reduced Neutral, triplexed - based on ICEA Standards. Full Neutral, single phase - based on 90°C conductor, 20°C ambient, 100% load factor, 36" burial depth, and earth RHO 90.

TR-XLPE/CN/LLDPE POWER, TYPE PRIMARY UD (COPPER)

Copper Filled, 25kV 100% I.L., 260-mils Series E9KK

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size AWG/kcmil	Nominal Conductor Diameter ¹ in (mm)	Nominal Insulation Diameter ¹ in (mm)	Concentric Neutral No. x AWG	Nominal Jacket Thickness ¹ in (mm)	Nominal Overall Diameter ¹ in (mm)	Nominal Net Weight ¹ lbs/kft (kg/km)	Ampacity	
								Underground Duct ²	Direct Buried ²
½ Reduced Neutral									
E9KKT-015B01CA00	1	0.319 (8.1)	0.89 (22.6)	7 x 14	0.055 (1.40)	1.20 (30.5)	783 (1167)	187	249
E9KKT-1A5B01CA00	1/0	0.358 (9.1)	0.93 (23.6)	9 x 14	0.055 (1.40)	1.23 (31.2)	900 (1340)	213	281
E9KKT-2A5B01CA00	2/0	0.401 (10.2)	0.97 (24.6)	11 x 14	0.055 (1.40)	1.28 (32.5)	1035 (1542)	242	314
E9KKT-3A5B01CA00	3/0	0.451 (11.5)	1.02 (25.9)	14 x 14	0.055 (1.40)	1.35 (34.3)	1230 (1833)	275	349
E9KKT-4A5B01CA00	4/0	0.507 (12.9)	1.08 (27.4)	18 x 14	0.055 (1.40)	1.41 (35.8)	1449 (2159)	311	384
E9KKT-A15B01CA00	250	0.552 (14.0)	1.14 (29.0)	21 x 14	0.055 (1.40)	1.46 (37.1)	1646 (2453)	341	410
E9KKT-A35B01CA00	350	0.654 (16.6)	1.24 (31.5)	29 x 14	0.055 (1.40)	1.56 (39.5)	2151 (3205)	405	460
E9KKT-A65B01CA00	500	0.781 (19.8)	1.37 (34.8)	26 x 12	0.055 (1.40)	1.79 (45.5)	2995 (4463)	475	504
E9KKT-B25B01CA00	750	0.958 (24.3)	1.56 (39.6)	25 x 10	0.080 (2.04)	2.01 (51.1)	4253 (6337)	556	567
E9KKT-B51B01CA00	1000	1.106 (28.1)	1.71 (43.4)	32 X 10	0.080 (2.04)	2.20 (55.9)	5,395 (8,039)	603	620
Full Neutral									
E9KKM-015B01CA00	1	0.319 (8.1)	0.89 (22.6)	20 x 14	0.055 (1.40)	1.19 (30.3)	973 (1449)	187	246
E9KKM-1A5B01CA00	1/0	0.358 (9.1)	0.93 (23.6)	25 x 14	0.055 (1.40)	1.23 (31.2)	1123 (1673)	212	279
E9KKM-2A5B01CA00	2/0	0.401 (10.2)	0.97 (24.6)	32 x 14	0.055 (1.40)	1.27 (32.3)	1360 (2026)	243	317
E9KKM-3A5B01CA00	3/0	0.451 (11.5)	1.02 (25.9)	25 x 14	0.055 (1.40)	1.35 (34.2)	1613 (2403)	276	359
E9KKM-4A5B01CA00	4/0	0.507 (12.9)	1.08 (27.4)	32 x 12	0.055 (1.40)	1.41 (35.8)	1937 (2887)	314	406

Copper Filled, 35kV 100% I.L., 345-mils Series E9MK

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size AWG/kcmil	Nominal Conductor Diameter ¹ in (mm)	Nominal Insulation Diameter ¹ in (mm)	Concentric Neutral No. x AWG	Nominal Jacket Thickness ¹ in (mm)	Nominal Overall Diameter ¹ in (mm)	Nominal Net Weight ¹ lbs/kft (kg/km)	Ampacity	
								Underground Duct ²	Direct Buried ²
½ Reduced Neutral									
E9MKT-1A5B01CA00	1/0	0.358 (9.1)	1.10 (27.9)	9 x 14	0.055 (1.40)	1.40 (35.6)	1071 (1596)	216	278
E9MKT-2A5B01CA00	2/0	0.401 (10.2)	1.15 (29.2)	11 x 14	0.055 (1.40)	1.47 (37.3)	1212 (1805)	245	311
E9MKT-3A5B01CA00	3/0	0.451 (11.5)	1.20 (30.5)	14 x 14	0.055 (1.40)	1.52 (38.6)	1392 (2075)	278	347
E9MKT-4A5B01CA00	4/0	0.507 (12.9)	1.26 (32.0)	18 x 14	0.055 (1.40)	1.58 (40.1)	1618 (2410)	314	383
E9MKT-A15B01CA00	250	0.552 (14.0)	1.31 (33.3)	21 x 14	0.055 (1.40)	1.70 (43.2)	1885 (2809)	344	409
E9MKT-A35B01CA00	350	0.654 (16.6)	1.41 (35.8)	29 x 14	0.055 (1.40)	1.78 (45.1)	2410 (3591)	408	461
E9MKT-A65B01CA00	500	0.781 (19.8)	1.54 (39.1)	26 x 12	0.080 (2.04)	1.94 (49.2)	3258 (4854)	480	510
E9MKT-B25B01CA00	750	0.958 (24.3)	1.73 (43.9)	25 x 10	0.080 (2.04)	2.18 (55.4)	4498 (6702)	561	573
E9MKT-B51B01CA00	1000	1.106 (28.1)	1.106 (28.1)	32 X 10	0.080 (2.04)	2.37 (60.2)	5,579 (8,313)	603	620
Full Neutral									
E9MKM-1A5B01CA00	1/0	0.358 (9.1)	1.10 (27.9)	25 x 14	0.055 (1.40)	1.40 (35.6)	1299 (1936)	217	278
E9MKM-2A5B01CA00	2/0	0.401 (10.2)	1.15 (29.2)	32 x 14	0.055 (1.40)	1.48 (37.7)	1546 (2304)	248	316
E9MKM-3A5B01CA00	3/0	0.451 (11.5)	1.20 (30.5)	25 x 14	0.055 (1.40)	1.53 (38.9)	1784 (2658)	281	358
E9MKM-4A5B01CA00	4/0	0.507 (12.9)	1.26 (32.0)	32 x 12	0.055 (1.40)	1.66 (42.1)	2184 (3254)	319	402

¹The dimensions and weights shown are nominal and subject to industry standards and manufacturing tolerances. Other designs available upon request.²Ampacities: ½ Reduced Neutral, triplexed - based on ICEA Standards. Full Neutral, single phase - based on 90°C conductor, 20°C ambient, 100% load factor, 36" burial depth, and earth RHO 90.