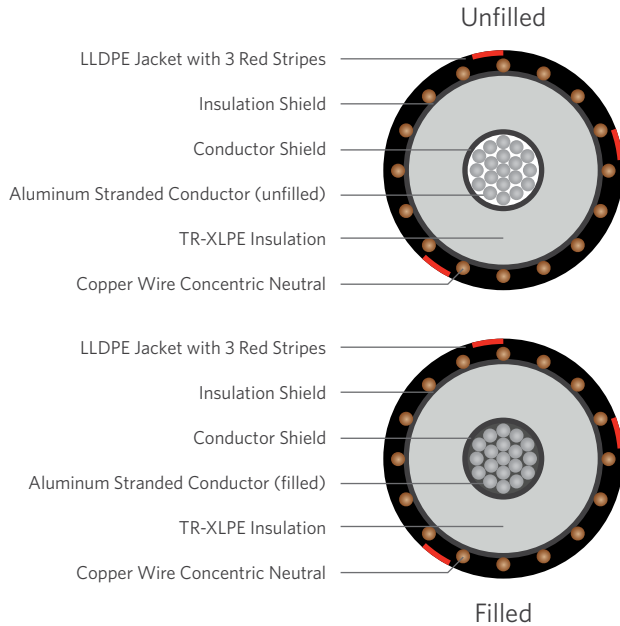


TR-XLPE/CN/LLDPE Power, Type Primary UD, 15kV-35kV

Series E9 (Aluminum Conductors)



PRODUCT DESCRIPTION

The Superior Essex Medium Voltage Primary Underground Distribution (UD) cables consist of an Aluminum (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 | Aluminum 1350 compressed lay stranded Class B (filled or unfilled) |
| Gauge Sizes | Filled: Available in 2 AWG through 1000 kcmil Unfilled: Available in 2 AWG through 1,250 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-230 ASTM B-231 ICEA S-94-649 AEIC CS8 RUS U1 |

PRODUCT KEY

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

Aluminum 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-023F01CA00 | 2 | 0.280 (7.1) | 0.68 (17.3) | 6 x 14 | 0.055 (1.40) | 0.98 (24.9) | 406 (605) | 126 | 175 |
| E9HKT-013F01CA00 | 1 | 0.319 (8.1) | 0.72 (18.3) | 6 x 14 | 0.055 (1.40) | 1.03 (26.2) | 441 (657) | 144 | 199 |
| E9HKT-1A3F01CA00 | 1/0 | 0.358 (9.1) | 0.76 (19.3) | 6 x 14 | 0.055 (1.40) | 1.06 (26.9) | 492 (733) | 163 | 225 |
| E9HKT-2A3F01CA00 | 2/0 | 0.401 (10.2) | 0.80 (20.4) | 7 x 14 | 0.055 (1.40) | 1.11 (28.2) | 544 (811) | 186 | 255 |
| E9HKT-3A3F01CA00 | 3/0 | 0.451 (11.5) | 0.85 (21.7) | 9 x 14 | 0.055 (1.40) | 1.16 (29.5) | 627 (934) | 212 | 286 |
| E9HKT-4A3F01CA00 | 4/0 | 0.507 (12.9) | 0.91 (23.1) | 11 x 14 | 0.055 (1.40) | 1.21 (30.7) | 715 (1,065) | 241 | 320 |
| E9HKT-A13F01CA00 | 250 | 0.552 (14.0) | 0.97 (24.5) | 13 x 14 | 0.055 (1.40) | 1.29 (32.8) | 837 (1,247) | 265 | 345 |
| E9HKT-A33F01CA00 | 350 | 0.654 (16.6) | 1.07 (27.1) | 18 x 14 | 0.055 (1.40) | 1.39 (35.4) | 1,028 (1,532) | 319 | 398 |
| E9HKT-A63F01CA00 | 500 | 0.781 (19.8) | 1.20 (30.4) | 25 x 14 | 0.055 (1.40) | 1.57 (39.9) | 1,454 (2,166) | 385 | 451 |
| E9HKT-B23F01CA00 | 750 | 0.958 (24.3) | 1.39 (35.2) | 24 x 12 | 0.055 (1.40) | 1.79 (45.5) | 1,871 (2,787) | 468 | 507 |
| E9HKT-B53F01CA00 | 1000 | 1.106 (28.1) | 1.53 (38.9) | 31 x 12 | 0.080 (2.04) | 1.93 (49.0) | 2,546 (3,794) | 529 | 549 |
| Full Neutral | | | | | | | | | |
| E9HKM-023F01CA00 | 2 | 0.280 (7.1) | 0.68 (17.3) | 10 x 14 | 0.055 (1.40) | 0.98 (24.9) | 464 (691) | 124 | 170 |
| E9HKM-013F01CA00 | 1 | 0.319 (8.1) | 0.72 (18.3) | 13 x 14 | 0.055 (1.40) | 1.03 (26.2) | 535 (796) | 143 | 194 |
| E9HKM-1A3F01CA00 | 1/0 | 0.358 (9.1) | 0.76 (19.3) | 16 x 14 | 0.055 (1.40) | 1.06 (26.9) | 608 (906) | 162 | 220 |
| E9HKM-2A3F01CA00 | 2/0 | 0.401 (10.2) | 0.80 (20.4) | 20 x 14 | 0.055 (1.40) | 1.11 (28.2) | 722 (1,076) | 186 | 251 |
| E9HKM-3A3F01CA00 | 3/0 | 0.451 (11.5) | 0.85 (21.7) | 25 x 14 | 0.055 (1.40) | 1.16 (29.5) | 839 (1,249) | 212 | 284 |
| E9HKM-4A3F01CA00 | 4/0 | 0.507 (12.9) | 0.91 (23.1) | 32 x 14 | 0.055 (1.40) | 1.21 (30.7) | 959 (1,429) | 243 | 323 |

Aluminum 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-023F01CA00 | 2 | 0.280 (7.1) | 0.77 (19.6) | 6 x 14 | 0.055 (1.40) | 1.08 (27.4) | 486 (724) | 126 | 175 |
| E9JKT-013F01CA00 | 1 | 0.319 (8.1) | 0.81 (20.6) | 6 x 14 | 0.055 (1.40) | 1.12 (28.4) | 521 (776) | 144 | 199 |
| E9JKT-1A3F01CA00 | 1/0 | 0.358 (9.1) | 0.85 (21.6) | 6 x 14 | 0.055 (1.40) | 1.15 (29.2) | 563 (839) | 163 | 225 |
| E9JKT-2A3F01CA00 | 2/0 | 0.401 (10.2) | 0.89 (22.7) | 7 x 14 | 0.055 (1.40) | 1.20 (30.5) | 624 (930) | 186 | 255 |
| E9JKT-3A3F01CA00 | 3/0 | 0.451 (11.5) | 0.94 (23.9) | 9 x 14 | 0.055 (1.40) | 1.25 (31.8) | 707 (1,053) | 212 | 286 |
| E9JKT-4A3F01CA00 | 4/0 | 0.507 (12.9) | 1.00 (25.4) | 11 x 14 | 0.055 (1.40) | 1.30 (33.0) | 803 (1,196) | 241 | 320 |
| E9JKT-A13F01CA00 | 250 | 0.552 (14.0) | 1.06 (26.8) | 13 x 14 | 0.055 (1.40) | 1.38 (35.1) | 917 (1,366) | 265 | 345 |
| E9JKT-A33F01CA00 | 350 | 0.654 (16.6) | 1.16 (29.4) | 18 x 14 | 0.055 (1.40) | 1.48 (37.7) | 1,130 (1,684) | 319 | 398 |
| E9JKT-A63F01CA00 | 500 | 0.781 (19.8) | 1.29 (32.6) | 25 x 14 | 0.055 (1.40) | 1.66 (42.2) | 1,534 (2,286) | 385 | 451 |
| E9JKT-B23F01CA00 | 750 | 0.958 (24.3) | 1.48 (37.5) | 24 x 12 | 0.080 (2.04) | 1.90 (48.3) | 2,043 (3,044) | 468 | 507 |
| E9JKT-B53F01CA00 | 1000 | 1.106 (28.1) | 1.62 (41.2) | 31 x 12 | 0.080 (2.04) | 2.02 (51.3) | 2,626 (3,913) | 529 | 549 |
| Full Neutral | | | | | | | | | |
| E9JKM-023F01CA00 | 2 | 0.280 (7.1) | 0.77 (19.6) | 10 x 14 | 0.055 (1.40) | 1.07 (27.2) | 532 (792) | 124 | 170 |
| E9JKM-013F01CA00 | 1 | 0.319 (8.1) | 0.81 (20.6) | 13 x 14 | 0.055 (1.40) | 1.12 (28.4) | 603 (898) | 143 | 194 |
| E9JKM-1A3F01CA00 | 1/0 | 0.358 (9.1) | 0.85 (21.6) | 16 x 14 | 0.055 (1.40) | 1.15 (29.2) | 677 (1,008) | 162 | 220 |
| E9JKM-2A3F01CA00 | 2/0 | 0.401 (10.2) | 0.89 (22.7) | 20 x 14 | 0.055 (1.40) | 1.19 (30.3) | 790 (1,177) | 186 | 251 |
| E9JKM-3A3F01CA00 | 3/0 | 0.451 (11.5) | 0.94 (23.9) | 25 x 14 | 0.055 (1.40) | 1.26 (32.0) | 907 (1,351) | 212 | 284 |
| E9JKM-4A3F01CA00 | 4/0 | 0.507 (12.9) | 1.00 (25.4) | 32 x 14 | 0.055 (1.40) | 1.30 (33.0) | 1,095 (1,631) | 243 | 323 |

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 (ALUMINUM)

Aluminum 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-013F01CA00 | 1 | 0.319 (8.1) | 0.89 (22.6) | 6 x 14 | 0.055 (1.40) | 1.20 (30.5) | 580 (864) | 146 | 196 |
| E9KKT-1A3F01CA00 | 1/0 | 0.358 (9.1) | 0.93 (23.6) | 6 x 14 | 0.055 (1.40) | 1.23 (31.2) | 624 (930) | 166 | 222 |
| E9KKT-2A3F01CA00 | 2/0 | 0.401 (10.2) | 0.97 (24.6) | 7 x 14 | 0.055 (1.40) | 1.28 (32.5) | 687 (1,024) | 189 | 251 |
| E9KKT-3A3F01CA00 | 3/0 | 0.451 (11.5) | 1.02 (25.9) | 9 x 14 | 0.055 (1.40) | 1.35 (34.3) | 793 (1,182) | 216 | 283 |
| E9KKT-4A3F01CA00 | 4/0 | 0.507 (12.9) | 1.08 (27.4) | 11 x 14 | 0.055 (1.40) | 1.41 (35.8) | 892 (1,329) | 245 | 317 |
| E9KKT-A13F01CA00 | 250 | 0.552 (14.0) | 1.14 (29.0) | 13 x 14 | 0.055 (1.40) | 1.46 (37.1) | 990 (1,475) | 269 | 343 |
| E9KKT-A33F01CA00 | 350 | 0.654 (16.6) | 1.24 (31.5) | 18 x 14 | 0.055 (1.40) | 1.56 (39.5) | 1,208 (1,800) | 322 | 397 |
| E9KKT-A63F01CA00 | 500 | 0.781 (19.8) | 1.37 (34.8) | 25 x 14 | 0.055 (1.40) | 1.79 (45.5) | 1,623 (2,418) | 389 | 451 |
| E9KKT-B23F01CA00 | 750 | 0.958 (24.3) | 1.56 (39.6) | 24 x 12 | 0.080 (2.04) | 2.01 (51.1) | 2,187 (3,259) | 473 | 513 |
| E9KKT-B53F01CA00 | 1000 | 1.106 (28.1) | 1.71 (43.4) | 31 x 12 | 0.080 (2.04) | 2.20 (55.9) | 2,736 (4,077) | 533 | 555 |
| Full Neutral | | | | | | | | | |
| E9KKM-013F01CA00 | 1 | 0.319 (8.1) | 0.89 (22.6) | 13 x 14 | 0.055 (1.40) | 1.19 (30.3) | 658 (980) | 146 | 194 |
| E9KKM-1A3F01CA00 | 1/0 | 0.358 (9.1) | 0.93 (23.6) | 16 x 14 | 0.055 (1.40) | 1.23 (31.2) | 733 (1,092) | 166 | 219 |
| E9KKM-2A3F01CA00 | 2/0 | 0.401 (10.2) | 0.97 (24.6) | 20 x 14 | 0.055 (1.40) | 1.27 (32.3) | 850 (1,267) | 190 | 250 |
| E9KKM-3A3F01CA00 | 3/0 | 0.451 (11.5) | 1.02 (25.9) | 25 x 14 | 0.055 (1.40) | 1.35 (34.2) | 980 (1,459) | 217 | 283 |
| E9KKM-4A3F01CA00 | 4/0 | 0.507 (12.9) | 1.08 (27.4) | 32 x 14 | 0.055 (1.40) | 1.41 (35.8) | 1,184 (1,763) | 248 | 322 |

Aluminum 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 | | | | | | | | | |
| E9MKJ-B23F01CA00 | 750 | 0.958 (24.3) | 1.73 (43.9) | 19x14 | 0.080 (2.04) | 2.18 (55.4) | 2,039 (3,038) | - | 652 ³ |
| E9MKJ-B53F01CA00 | 1000 | 1.106 (28.1) | 1.88 (47.8) | 25x14 | 0.080 (2.04) | 2.37 (60.2) | 2,436 (3,630) | - | 750 ³ |
| E9MKJ-B83F01CA00 | 1250 | 1.238 (31.4) | 2.05 (52.0) | 31x14 | 0.080 (2.04) | 2.58 (65.5) | 2,749 (4,096) | - | 833 ³ |
| ½ Reduced Neutral | | | | | | | | | |
| E9MKT-1A3F01CA00 | 1/0 | 0.358 (9.1) | 1.10 (27.9) | 6 x 14 | 0.055 (1.40) | 1.40 (35.6) | 792 (1,180) | 168 | 219 |
| E9MKT-2A3F01CA00 | 2/0 | 0.401 (10.2) | 1.15 (29.2) | 7 x 14 | 0.055 (1.40) | 1.47 (37.3) | 861 (1,283) | 191 | 248 |
| E9MKT-3A3F01CA00 | 3/0 | 0.451 (11.5) | 1.20 (30.5) | 9 x 14 | 0.055 (1.40) | 1.52 (38.6) | 952 (1,418) | 218 | 280 |
| E9MKT-4A3F01CA00 | 4/0 | 0.507 (12.9) | 1.26 (32.0) | 11 x 14 | 0.055 (1.40) | 1.58 (40.1) | 1,058 (1,576) | 247 | 314 |
| E9MKT-A13F01CA00 | 250 | 0.552 (14.0) | 1.31 (33.3) | 13 x 14 | 0.055 (1.40) | 1.70 (43.2) | 1,224 (1,824) | 271 | 339 |
| E9MKT-A33F01CA00 | 350 | 0.654 (16.6) | 1.41 (35.8) | 18 x 14 | 0.055 (1.40) | 1.78 (45.1) | 1,457 (2,171) | 325 | 394 |
| E9MKT-A63F01CA00 | 500 | 0.781 (19.8) | 1.54 (39.1) | 25 x 14 | 0.080 (2.04) | 1.94 (49.2) | 1,875 (2,794) | 392 | 452 |
| E9MKT-B23F01CA00 | 750 | 0.958 (24.3) | 1.73 (43.9) | 24 x 12 | 0.080 (2.04) | 2.18 (55.4) | 2,419 (3,604) | 476 | 517 |
| E9MKT-B53F01CA00 | 1000 | 1.106 (28.1) | 1.88 (47.8) | 31 x 12 | 0.080 (2.04) | 2.37 (60.2) | 2,989 (4,454) | 536 | 560 |
| Full Neutral | | | | | | | | | |
| E9MKM-1A3F01CA00 | 1/0 | 0.358 (9.1) | 1.10 (27.9) | 16 x 14 | 0.055 (1.40) | 1.40 (35.6) | 899 (1,340) | 169 | 218 |
| E9MKM-2A3F01CA00 | 2/0 | 0.401 (10.2) | 1.15 (29.2) | 20 x 14 | 0.055 (1.40) | 1.48 (37.7) | 1,024 (1,526) | 194 | 249 |
| E9MKM-3A3F01CA00 | 3/0 | 0.451 (11.5) | 1.20 (30.5) | 25 x 14 | 0.055 (1.40) | 1.53 (38.9) | 1,148 (1,711) | 220 | 283 |
| E9MKM-4A3F01CA00 | 4/0 | 0.507 (12.9) | 1.26 (32.0) | 32 x 14 | 0.055 (1.40) | 1.66 (42.1) | 1,385 (2,063) | 252 | 321 |

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.

³Ampacities: ½ Reduced Neutral, 3-phase installation with one cable per phase, in a trefoil configuration, earth rho of 90°C cm²/W, earth ambient of 20°C, neutral wires grounded at both ends, conductor temperature 90°C, and 36" burial depth.

Aluminum Filled, 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-026F01CA00 | 2 | 0.280 (7.1) | 0.68 (17.3) | 6 x 14 | 0.055 (1.40) | 0.98 (24.9) | 407 (606) | 126 | 175 |
| E9HKT-016F01CA00 | 1 | 0.319 (8.1) | 0.72 (18.3) | 6 x 14 | 0.055 (1.40) | 1.03 (26.2) | 442 (658) | 144 | 199 |
| E9HKT-1A6F01CA00 | 1/0 | 0.358 (9.1) | 0.76 (19.3) | 6 x 14 | 0.055 (1.40) | 1.06 (26.9) | 493 (735) | 163 | 225 |
| E9HKT-2A6F01CA00 | 2/0 | 0.401 (10.2) | 0.80 (20.4) | 7 x 14 | 0.055 (1.40) | 1.11 (28.2) | 545 (812) | 186 | 255 |
| E9HKT-3A6F01CA00 | 3/0 | 0.451 (11.5) | 0.85 (21.7) | 9 x 14 | 0.055 (1.40) | 1.16 (29.5) | 628 (936) | 212 | 286 |
| E9HKT-4A6F01CA00 | 4/0 | 0.507 (12.9) | 0.91 (23.1) | 11 x 14 | 0.055 (1.40) | 1.21 (30.7) | 716 (1,067) | 241 | 320 |
| E9HKT-A16F01CA00 | 250 | 0.552 (14.0) | 0.97 (24.5) | 13 x 14 | 0.055 (1.40) | 1.29 (32.8) | 839 (1,250) | 265 | 345 |
| E9HKT-A36F01CA00 | 350 | 0.654 (16.6) | 1.07 (27.1) | 18 x 14 | 0.055 (1.40) | 1.39 (35.4) | 1,030 (1,535) | 319 | 398 |
| E9HKT-A66F01CA00 | 500 | 0.781 (19.8) | 1.20 (30.4) | 25 x 14 | 0.055 (1.40) | 1.57 (39.9) | 1,457 (2,171) | 385 | 451 |
| E9HKT-B26F01CA00 | 750 | 0.958 (24.3) | 1.39 (35.2) | 24 x 12 | 0.055 (1.40) | 1.79 (45.5) | 1,871 (2,787) | 468 | 507 |
| E9HKT-B56F01CA00 | 1000 | 1.106 (28.1) | 1.53 (38.9) | 31 x 12 | 0.080 (2.04) | 1.93 (49.0) | 2,546 (3,794) | 529 | 549 |
| Full Neutral | | | | | | | | | |
| E9HKM-026F01CA00 | 2 | 0.280 (7.1) | 0.68 (17.3) | 10 x 14 | 0.055 (1.40) | 0.98 (24.9) | 465 (693) | 124 | 170 |
| E9HKM-016F01CA00 | 1 | 0.319 (8.1) | 0.72 (18.3) | 13 x 14 | 0.055 (1.40) | 1.03 (26.2) | 536 (799) | 143 | 194 |
| E9HKM-1A6F01CA00 | 1/0 | 0.358 (9.1) | 0.76 (19.3) | 16 x 14 | 0.055 (1.40) | 1.06 (26.9) | 609 (908) | 162 | 220 |
| E9HKM-2A6F01CA00 | 2/0 | 0.401 (10.2) | 0.80 (20.4) | 20 x 14 | 0.055 (1.40) | 1.11 (28.2) | 691 (1,029) | 186 | 251 |
| E9HKM-3A6F01CA00 | 3/0 | 0.451 (11.5) | 0.85 (21.7) | 25 x 14 | 0.055 (1.40) | 1.16 (29.5) | 841 (1,253) | 212 | 284 |
| E9HKM-4A6F01CA00 | 4/0 | 0.507 (12.9) | 0.91 (23.1) | 32 x 14 | 0.055 (1.40) | 1.21 (30.7) | 961 (1,432) | 243 | 323 |

Aluminum 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-026F01CA00 | 2 | 0.280 (7.1) | 0.77 (19.6) | 6 x 14 | 0.055 (1.40) | 1.08 (27.4) | 487 (726) | 126 | 175 |
| E9JKT-016F01CA00 | 1 | 0.319 (8.1) | 0.81 (20.6) | 6 x 14 | 0.055 (1.40) | 1.12 (28.4) | 522 (778) | 144 | 199 |
| E9JKT-1A6F01CA00 | 1/0 | 0.358 (9.1) | 0.85 (21.6) | 6 x 14 | 0.055 (1.40) | 1.15 (29.2) | 564 (841) | 163 | 225 |
| E9JKT-2A6F01CA00 | 2/0 | 0.401 (10.2) | 0.89 (22.7) | 7 x 14 | 0.055 (1.40) | 1.20 (30.5) | 625 (932) | 186 | 255 |
| E9JKT-3A6F01CA00 | 3/0 | 0.451 (11.5) | 0.94 (23.9) | 9 x 14 | 0.055 (1.40) | 1.25 (31.8) | 708 (1,056) | 212 | 286 |
| E9JKT-4A6F01CA00 | 4/0 | 0.507 (12.9) | 1.00 (25.4) | 11 x 14 | 0.055 (1.40) | 1.30 (33.0) | 805 (1,199) | 241 | 320 |
| E9JKT-A16F01CA00 | 250 | 0.552 (14.0) | 1.06 (26.8) | 13 x 14 | 0.055 (1.40) | 1.38 (35.1) | 919 (1,369) | 265 | 345 |
| E9JKT-A36F01CA00 | 350 | 0.654 (16.6) | 1.16 (29.4) | 18 x 14 | 0.055 (1.40) | 1.48 (37.7) | 1,132 (1,687) | 319 | 398 |
| E9JKT-A66F01CA00 | 500 | 0.781 (19.8) | 1.29 (32.6) | 25 x 14 | 0.055 (1.40) | 1.66 (42.2) | 1,537 (2,290) | 385 | 451 |
| E9JKT-B26F01CA00 | 750 | 0.958 (24.3) | 1.48 (37.5) | 24 x 12 | 0.080 (2.04) | 1.90 (48.3) | 2,043 (3,044) | 468 | 507 |
| E9JKT-B56F01CA00 | 1000 | 1.106 (28.1) | 1.62 (41.2) | 31 x 12 | 0.080 (2.04) | 2.02 (51.3) | 2,626 (3,913) | 529 | 549 |
| Full Neutral | | | | | | | | | |
| E9JKM-026F01CA00 | 2 | 0.280 (7.1) | 0.77 (19.6) | 10 x 14 | 0.055 (1.40) | 1.07 (27.2) | 533 (794) | 124 | 170 |
| E9JKM-016F01CA00 | 1 | 0.319 (8.1) | 0.81 (20.6) | 13 x 14 | 0.055 (1.40) | 1.12 (28.4) | 604 (900) | 143 | 194 |
| E9JKM-1A6F01CA00 | 1/0 | 0.358 (9.1) | 0.85 (21.6) | 16 x 14 | 0.055 (1.40) | 1.15 (29.2) | 678 (1,011) | 162 | 220 |
| E9JKM-2A6F01CA00 | 2/0 | 0.401 (10.2) | 0.89 (22.7) | 20 x 14 | 0.055 (1.40) | 1.19 (30.3) | 792 (1,179) | 186 | 251 |
| E9JKM-3A6F01CA00 | 3/0 | 0.451 (11.5) | 0.94 (23.9) | 25 x 14 | 0.055 (1.40) | 1.26 (32.0) | 909 (1,354) | 212 | 284 |
| E9JKM-4A6F01CA00 | 4/0 | 0.507 (12.9) | 1.00 (25.4) | 32 x 14 | 0.055 (1.40) | 1.30 (33.0) | 1,097 (1,635) | 243 | 323 |

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 (ALUMINUM)

Aluminum 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-016F01CA00 | 1 | 0.319 (8.1) | 0.89 (22.6) | 6 x 14 | 0.055 (1.40) | 1.20 (30.5) | 581 (866) | 146 | 196 |
| E9KKT-1A6F01CA00 | 1/0 | 0.358 (9.1) | 0.93 (23.6) | 6 x 14 | 0.055 (1.40) | 1.23 (31.2) | 625 (932) | 166 | 222 |
| E9KKT-2A6F01CA00 | 2/0 | 0.401 (10.2) | 0.97 (24.6) | 7 x 14 | 0.055 (1.40) | 1.28 (32.5) | 688 (1,026) | 189 | 251 |
| E9KKT-3A6F01CA00 | 3/0 | 0.451 (11.5) | 1.02 (25.9) | 9 x 14 | 0.055 (1.40) | 1.35 (34.3) | 795 (1,184) | 216 | 283 |
| E9KKT-4A6F01CA00 | 4/0 | 0.507 (12.9) | 1.08 (27.4) | 11 x 14 | 0.055 (1.40) | 1.41 (35.8) | 910 (1,356) | 245 | 317 |
| E9KKT-A16F01CA00 | 250 | 0.552 (14.0) | 1.14 (29.0) | 13 x 14 | 0.055 (1.40) | 1.46 (37.1) | 992 (1,478) | 269 | 343 |
| E9KKT-A36F01CA00 | 350 | 0.654 (16.6) | 1.24 (31.5) | 18 x 14 | 0.055 (1.40) | 1.56 (39.5) | 1,210 (1,804) | 322 | 397 |
| E9KKT-A66F01CA00 | 500 | 0.781 (19.8) | 1.37 (34.8) | 25 x 14 | 0.055 (1.40) | 1.79 (45.5) | 1,626 (2,423) | 389 | 451 |
| E9KKT-B26F01CA00 | 750 | 0.958 (24.3) | 1.56 (39.6) | 24 x 12 | 0.080 (2.04) | 2.01 (51.1) | 2,187 (3,259) | 473 | 513 |
| E9KKT-B56F01CA00 | 1000 | 1.106 (28.1) | 1.71 (43.4) | 31 x 12 | 0.080 (2.04) | 2.20 (55.9) | 2,736 (4,077) | 533 | 555 |
| Full Neutral | | | | | | | | | |
| E9KKM-016F01CA00 | 1 | 0.319 (8.1) | 0.89 (22.6) | 13 x 14 | 0.055 (1.40) | 1.19 (30.3) | 659 (982) | 146 | 194 |
| E9KKM-1A6F01CA00 | 1/0 | 0.358 (9.1) | 0.93 (23.6) | 16 x 14 | 0.055 (1.40) | 1.23 (31.2) | 734 (1,094) | 166 | 219 |
| E9KKM-2A6F01CA00 | 2/0 | 0.401 (10.2) | 0.97 (24.6) | 20 x 14 | 0.055 (1.40) | 1.27 (32.3) | 852 (1,269) | 190 | 250 |
| E9KKM-3A6F01CA00 | 3/0 | 0.451 (11.5) | 1.02 (25.9) | 25 x 14 | 0.055 (1.40) | 1.35 (34.2) | 982 (1,463) | 217 | 283 |
| E9KKM-4A6F01CA00 | 4/0 | 0.507 (12.9) | 1.08 (27.4) | 32 x 14 | 0.055 (1.40) | 1.41 (35.8) | 1,186 (1,768) | 248 | 322 |

Aluminum 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 | | | | | | | | | |
| E9MKJ-B26F01CA00 | 750 | 0.958 (24.3) | 1.73 (43.9) | 19 x 14 | 0.080 (2.04) | 2.18 (55.4) | 2,043 (3,041) | - | 652 ³ |
| E9MKJ-B56F01CA00 | 1000 | 1.106 (28.1) | 1.88 (47.8) | 25 x 14 | 0.080 (2.04) | 2.37 (60.2) | 2,441 (3,634) | - | 750 ³ |
| E9MKJ-B86F01CA00 | 1250 | 1.238 (31.4) | 2.05 (52.0) | 31 x 14 | 0.080 (2.04) | 2.58 (65.5) | 2,755 (4,101) | - | 833 ³ |
| ½ Reduced Neutral | | | | | | | | | |
| E9MKT-1A6F01CA00 | 1/0 | 0.358 (9.1) | 1.10 (27.9) | 6 x 14 | 0.055 (1.40) | 1.40 (35.6) | 794 (1,182) | 168 | 219 |
| E9MKT-2A6F01CA00 | 2/0 | 0.401 (10.2) | 1.15 (29.2) | 7 x 14 | 0.055 (1.40) | 1.47 (37.3) | 863 (1,285) | 191 | 248 |
| E9MKT-3A6F01CA00 | 3/0 | 0.451 (11.5) | 1.20 (30.5) | 9 x 14 | 0.055 (1.40) | 1.52 (38.6) | 954 (1,421) | 218 | 280 |
| E9MKT-4A6F01CA00 | 4/0 | 0.507 (12.9) | 1.26 (32.0) | 11 x 14 | 0.055 (1.40) | 1.58 (40.1) | 1,060 (1,580) | 247 | 314 |
| E9MKT-A16F01CA00 | 250 | 0.552 (14.0) | 1.31 (33.3) | 13 x 14 | 0.055 (1.40) | 1.70 (43.2) | 1,226 (1,827) | 271 | 339 |
| E9MKT-A36F01CA00 | 350 | 0.654 (16.6) | 1.41 (35.8) | 18 x 14 | 0.055 (1.40) | 1.78 (45.1) | 1,460 (2,175) | 325 | 394 |
| E9MKT-A66F01CA00 | 500 | 0.781 (19.8) | 1.54 (39.1) | 25 x 14 | 0.080 (2.04) | 1.94 (49.2) | 1,879 (2,799) | 392 | 452 |
| E9MKT-B26F01CA00 | 750 | 0.958 (24.3) | 1.73 (43.9) | 24 x 12 | 0.080 (2.04) | 2.18 (55.4) | 2,419 (3,604) | 476 | 517 |
| E9MKT-B56F01CA00 | 1000 | 1.106 (28.1) | 1.88 (47.8) | 31 x 12 | 0.080 (2.04) | 2.37 (60.2) | 2,989 (4,454) | 536 | 560 |
| Full Neutral | | | | | | | | | |
| E9MKM-1A6F01CA00 | 1/0 | 0.358 (9.1) | 1.10 (27.9) | 16 x 14 | 0.055 (1.40) | 1.40 (35.6) | 901 (1,342) | 169 | 218 |
| E9MKM-2A6F01CA00 | 2/0 | 0.401 (10.2) | 1.15 (29.2) | 20 x 14 | 0.055 (1.40) | 1.48 (37.7) | 1,026 (1,529) | 194 | 249 |
| E9MKM-3A6F01CA00 | 3/0 | 0.451 (11.5) | 1.20 (30.5) | 25 x 14 | 0.055 (1.40) | 1.53 (38.9) | 1,150 (1,714) | 220 | 283 |
| E9MKM-4A6F01CA00 | 4/0 | 0.507 (12.9) | 1.26 (32.0) | 32 x 14 | 0.055 (1.40) | 1.66 (42.1) | 1,388 (2,068) | 252 | 321 |

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

³Ampacities: ½ Reduced Neutral, 3-phase installation with one cable per phase, in a trefoil configuration, earth rho of 90°C cm²/W, earth ambient of 20°C, neutral wires grounded at both ends, conductor temperature 90°C, and 36" burial depth.