

TECK90 – COPPER CONDUCTOR

MULTIPLE CONDUCTOR #14 AWG

XLPE/ALUMINUM ARMoured/600 V, (-40°C) CSA



(3 conductor shown)

Conductor:
14 AWG. round concentric lay class "B"
stranded copper

Insulation:
Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding:
2 Conductor: black, white
3 Conductor: black, red, blue
4 Conductor: black, red, blue, white
5 - 50 Conductor: black with printed number
code

Bonding Conductor (Ground):
One (1) bare stranded class "B" copper
conductor

Inner jacket:
Polyvinyl Chloride (PVC), black

Armour:
Aluminum interlocked armour

Outer Jacket:
Low acid gas, flame-retardant, moisture and
sunlight resistant Polyvinyl Chloride (PVC),
black

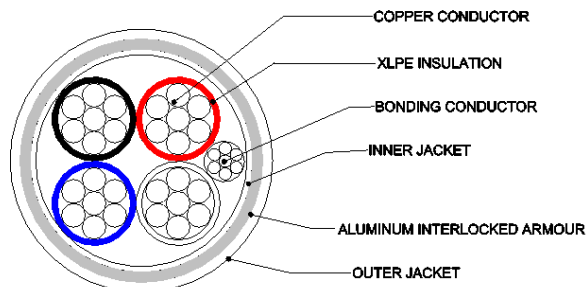
Print:
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)
TECK90 XLPE 600V HL FT4 (-40C) SUN RES AG14
CSA, METRE MARK

CSA Licence:
LL109933

Applications:
For concealed wiring in dry or wet locations
For exposed wiring in dry or wet locations
For exposed and wiring in dry, locations where subjected to corrosive
action if suitable for corrosive conditions encountered
For exposed wiring where subjected to the weather
For use in ventilated, Non-ventilated and ladder-type cable trays in
dry or wet locations
For direct earth burial (with protection as required by inspection
authority)
For service entrance above or below ground

Features:
Rated at 90°C wet or dry
Excellent crush resistance
Provides long service life
Cost effective alternative to installations in conduit
Meets cold bend and impact tests at (-40°C)

Industry compliances: CSA Standard C22.2 No. 131, No.38 and
No.2256, RoHS
Flame test compliances: CSA FT4
Hazardous Location, SUN RES (outer jacket) SUN RES on inner jacket
and insulated conductor available upon request, Direct Burial
Acid Gas: CSA AG14



(4 conductor construction shown)

| PART NO. | NO OF COND. | COND. SIZE (AWG/kcmil) | GROUND WIRE SIZE (AWG/kcmil) | MIN. AVG. INSULATION THICKNESS | | NOMINAL DIAMETER (OVER) | | | | | | NET WEIGHT | | AMPACITY AT 90° C |
|----------|-------------|------------------------|------------------------------|--------------------------------|------|-------------------------|------|--------|-------|--------|-------|------------|------|-------------------|
| | | | | | | INNER JACKET | | ARMOUR | | CABLE | | | | |
| | | | | | | INCHES | mm | INCHES | mm | INCHES | mm | INCHES | mm | |
| 800432 | 2 | 14 | 14 | 0.030 | 0.76 | 0.361 | 9.2 | 0.539 | 13.69 | 0.626 | 15.90 | 265 | 178 | 25 |
| 800453 | 3 | 14 | 14 | 0.030 | 0.76 | 0.379 | 9.6 | 0.559 | 14.20 | 0.646 | 16.41 | 296 | 199 | 25 |
| 800467 | 4 | 14 | 14 | 0.030 | 0.76 | 0.414 | 10.5 | 0.594 | 15.09 | 0.681 | 17.30 | 336 | 226 | 20 |
| 800476 | 5 | 14 | 14 | 0.030 | 0.76 | 0.452 | 11.5 | 0.652 | 16.56 | 0.739 | 18.77 | 390 | 262 | 20 |
| 800480 | 6 | 14 | 14 | 0.030 | 0.76 | 0.492 | 12.5 | 0.692 | 17.58 | 0.779 | 19.79 | 433 | 291 | 20 |
| 800484 | 7 | 14 | 14 | 0.030 | 0.76 | 0.492 | 12.5 | 0.692 | 17.58 | 0.779 | 19.79 | 458 | 308 | 18 |
| 800488 | 8 | 14 | 14 | 0.030 | 0.76 | 0.565 | 14.4 | 0.765 | 19.43 | 0.852 | 21.64 | 536 | 360 | 18 |
| 800410 | 10 | 14 | 14 | 0.030 | 0.76 | 0.657 | 16.7 | 0.857 | 21.77 | 0.944 | 23.98 | 631 | 424 | 18 |
| 800415 | 12 | 14 | 14 | 0.030 | 0.76 | 0.677 | 17.2 | 0.877 | 22.28 | 0.964 | 24.49 | 691 | 464 | 18 |
| 800418 | 15 | 14 | 14 | 0.030 | 0.76 | 0.750 | 19.1 | 0.950 | 24.13 | 1.037 | 26.34 | 802 | 539 | 18 |
| 800421 | 20 | 14 | 14 | 0.030 | 0.76 | 0.871 | 22.1 | 1.121 | 28.47 | 1.208 | 30.68 | 1113 | 748 | 18 |
| 800425 | 25 | 14 | 14 | 0.030 | 0.76 | 0.963 | 24.5 | 1.213 | 30.81 | 1.300 | 33.02 | 1295 | 870 | 15 |
| 800446 | 30 | 14 | 14 | 0.030 | 0.76 | 1.018 | 25.9 | 1.268 | 32.21 | 1.355 | 34.42 | 1454 | 977 | 15 |
| 801235 | 40 | 14 | 14 | 0.030 | 0.76 | 1.133 | 28.8 | 1.383 | 35.13 | 1.470 | 37.34 | 1777 | 1194 | 15 |
| 801302 | 50 | 14 | 14 | 0.030 | 0.76 | 1.277 | 32.4 | 1.527 | 38.79 | 1.630 | 41.40 | 2115 | 1421 | 12 |

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON CFC Part 1

TECK90 – COPPER CONDUCTOR

MULTIPLE CONDUCTOR #12 AWG

XLPE/ALUMINUM ARMoured/600 V, (-40°C) CSA



(3 conductor shown)

Conductor:
12 AWG. round concentric lay class "B"
stranded copper

Insulation:
Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding:
2 Conductor: black, white
3 Conductor: black, red, blue
4 Conductor: black, red, blue, white
5 - 50 Conductor: black with printed number
code

Bonding Conductor (Ground):
One (1) bare stranded class "B" copper
conductor

Inner jacket:
Polyvinyl Chloride (PVC), black

Armour:
Aluminum interlocked armour

Outer Jacket:
Low acid gas, flame-retardant, moisture and
sunlight resistant Polyvinyl Chloride (PVC),
black

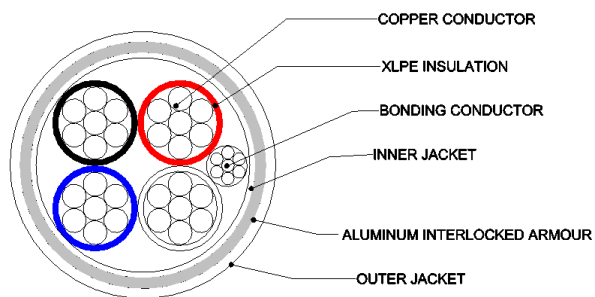
Print:
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)
TECK90 XLPE 600V HL FT4 (-40C) SUN RES AG14
CSA, METRE MARK

CSA Licence:
LL109933

For exposed wiring in dry or wet locations
For exposed and wiring in dry, locations where subjected to corrosive
action if suitable for corrosive conditions encountered
For exposed wiring where subjected to the weather
For use in ventilated, Non-ventilated and ladder-type cable trays in
dry or wet locations
For direct earth burial (with protection as required by inspection
authority)
For service entrance above or below ground

Features:
Rated at 90°C wet or dry
Excellent crush resistance
Provides long service life
Cost effective alternative to installations in conduit
Meets cold bend and impact tests at (-40°C)

Compliances:
Industry compliances: CSA Standard C22.2 No. 131, No.38 and
No.2256, RoHS
Flame test compliances: CSA FT4
Hazardous Location, SUN RES (outer jacket) SUN RES on inner jacket
and insulated conductor available upon request, Direct Burial
Acid Gas: CSA AG14



(4 conductor construction shown)

| PART NO. | NO OF COND. | COND. SIZE (AWG/kcmil) | GROUND WIRE SIZE (AWG/kcmil) | MIN. AVG. INSULATION THICKNESS | | NOMINAL DIAMETER (OVER) | | | | | | NET WEIGHT | | AMPACITY AT 90° C |
|----------|-------------|------------------------|------------------------------|--------------------------------|------|-------------------------|------|--------|-------|--------|-------|------------|------|-------------------|
| | | | | | | INNER JACKET | | ARMOUR | | CABLE | | | | |
| | | | | | | INCHES | mm | INCHES | mm | INCHES | mm | INCHES | mm | |
| 800429 | 2 | 12 | 14 | 0.030 | 0.76 | 0.397 | 10.1 | 0.577 | 14.66 | 0.664 | 16.87 | 303 | 204 | 30 |
| 800450 | 3 | 12 | 14 | 0.030 | 0.76 | 0.420 | 10.7 | 0.600 | 15.24 | 0.687 | 17.45 | 350 | 235 | 30 |
| 800504 | 4 | 12 | 14 | 0.030 | 0.76 | 0.459 | 11.7 | 0.659 | 16.74 | 0.746 | 18.95 | 417 | 280 | 24 |
| 800475 | 5 | 12 | 14 | 0.030 | 0.76 | 0.503 | 12.8 | 0.703 | 17.86 | 0.790 | 20.07 | 474 | 319 | 24 |
| 800479 | 6 | 12 | 14 | 0.030 | 0.76 | 0.581 | 14.8 | 0.781 | 19.84 | 0.868 | 22.05 | 567 | 381 | 24 |
| 800483 | 7 | 12 | 14 | 0.030 | 0.76 | 0.581 | 14.8 | 0.781 | 19.84 | 0.868 | 22.05 | 604 | 406 | 21 |
| 800487 | 8 | 12 | 14 | 0.030 | 0.76 | 0.628 | 16.0 | 0.828 | 21.03 | 0.915 | 23.24 | 665 | 447 | 21 |
| 800409 | 10 | 12 | 14 | 0.030 | 0.76 | 0.727 | 18.5 | 0.927 | 23.55 | 1.014 | 25.76 | 789 | 530 | 21 |
| 800414 | 12 | 12 | 14 | 0.030 | 0.76 | 0.786 | 20.0 | 1.036 | 26.31 | 1.123 | 28.52 | 972 | 653 | 21 |
| 800417 | 15 | 12 | 14 | 0.030 | 0.76 | 0.879 | 22.3 | 1.129 | 28.68 | 1.216 | 30.89 | 1177 | 791 | 21 |
| 800420 | 20 | 12 | 14 | 0.030 | 0.76 | 0.972 | 24.7 | 1.222 | 31.04 | 1.309 | 33.25 | 1421 | 955 | 21 |
| 800424 | 25 | 12 | 14 | 0.030 | 0.76 | 1.077 | 27.4 | 1.327 | 33.71 | 1.414 | 35.92 | 1672 | 1124 | 18 |
| 800445 | 30 | 12 | 14 | 0.030 | 0.76 | 1.139 | 28.9 | 1.389 | 35.28 | 1.476 | 37.49 | 1897 | 1275 | 18 |
| 801401 | 40 | 12 | 14 | 0.030 | 0.76 | 1.275 | 32.4 | 1.525 | 38.74 | 1.628 | 41.35 | 2352 | 1581 | 18 |
| 801402 | 50 | 12 | 14 | 0.030 | 0.76 | 1.441 | 36.6 | 1.691 | 42.95 | 1.794 | 45.57 | 2827 | 1900 | 13 |

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON CEC Part 1

Applications:

For concealed wiring in dry or wet locations



TECK90 – COPPER CONDUCTOR

MULTIPLE CONDUCTOR #10 AWG

XLPE/ALUMINUM ARMoured/600 V, (-40°C) CSA



(3 conductor shown)

Conductor:
10 AWG. round concentric lay class "B" stranded copper

Insulation:
Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding:
2 Conductor: black, white
3 Conductor: black, red, blue
4 Conductor: black, red, blue, white
5 - 50 Conductor: black with printed number code

Bonding Conductor (Ground):
One (1) bare stranded class "B" copper conductor

Inner jacket:
Polyvinyl Chloride (PVC), black

Armour:
Aluminum interlocked armour

Outer Jacket:
Low acid gas, flame-retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC), black

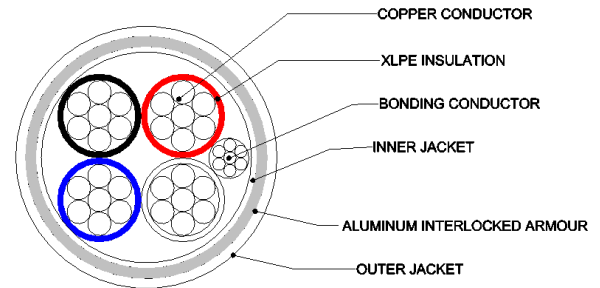
Print:
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)
TECK90 XLPE 600V HL FT4 (-40C) SUN RES AG14
CSA, METRE MARK

CSA Licence:
LL109933

Applications:
For concealed wiring in dry or wet locations
For exposed wiring in dry or wet locations
For exposed and wiring in dry, locations where subjected to corrosive action if suitable for corrosive conditions encountered
For exposed wiring where subjected to the weather
For use in ventilated, Non-ventilated and ladder-type cable trays in dry or wet locations
For direct earth burial (with protection as required by inspection authority)
For service entrance above or below ground

Features:
Rated at 90°C wet or dry
Excellent crush resistance
Provides long service life
Cost effective alternative to installations in conduit
Meets cold bend and impact tests at (-40°C)

Compliances:
Industry compliances: CSA Standard C22.2 No. 131, No.38 and No.2256, RoHS
Flame test compliances: CSA FT4
Hazardous Location, SUN RES (outer jacket) SUN RES on inner jacket and insulated conductor available upon request, Direct Burial
Acid Gas: CSA AG14



(4 conductor construction shown)

| PART NO. | NO OF COND. | COND. SIZE (AWG/kcmil) | GROUND WIRE SIZE (AWG/kcmil) | MIN. AVG. INSULATION THICKNESS | | NOMINAL DIAMETER (OVER) | | | | | | NET WEIGHT | | AMPACITY AT 90° C |
|----------|-------------|------------------------|------------------------------|--------------------------------|------|-------------------------|------|--------|-------|--------|-------|------------|------|-------------------|
| | | | | | | INNER JACKET | | ARMOUR | | CABLE | | | | |
| | | | | | | INCHES | mm | INCHES | mm | INCHES | mm | INCHES | mm | |
| 800427 | 2 | 10 | 12 | 0.030 | 0.76 | 0.445 | 11.3 | 0.645 | 16.38 | 0.732 | 18.59 | 286 | 192 | 40 |
| 800448 | 3 | 10 | 12 | 0.030 | 0.76 | 0.471 | 12.0 | 0.671 | 17.04 | 0.758 | 19.25 | 454 | 305 | 40 |
| 800463 | 4 | 10 | 12 | 0.030 | 0.76 | 0.549 | 13.9 | 0.749 | 19.02 | 0.836 | 21.23 | 565 | 380 | 32 |
| 800474 | 5 | 10 | 12 | 0.030 | 0.76 | 0.601 | 15.3 | 0.801 | 20.35 | 0.888 | 22.56 | 647 | 435 | 32 |
| 800477 | 6 | 10 | 12 | 0.030 | 0.76 | 0.653 | 16.6 | 0.853 | 21.67 | 0.940 | 23.88 | 728 | 489 | 32 |
| 800482 | 7 | 10 | 12 | 0.030 | 0.76 | 0.653 | 16.6 | 0.853 | 21.67 | 0.940 | 23.88 | 755 | 507 | 28 |
| 800486 | 8 | 10 | 12 | 0.030 | 0.76 | 0.707 | 18.0 | 0.907 | 23.04 | 0.994 | 25.25 | 867 | 583 | 28 |
| 800408 | 10 | 10 | 12 | 0.030 | 0.76 | 0.869 | 22.1 | 1.119 | 28.42 | 1.206 | 30.63 | 1186 | 797 | 28 |
| 800413 | 12 | 10 | 12 | 0.030 | 0.76 | 0.895 | 22.7 | 1.145 | 29.08 | 1.232 | 31.29 | 1315 | 884 | 28 |
| 800416 | 15 | 10 | 12 | 0.030 | 0.76 | 0.992 | 25.2 | 1.242 | 31.55 | 1.329 | 33.76 | 1544 | 1038 | 28 |
| 800419 | 20 | 10 | 12 | 0.030 | 0.76 | 1.082 | 27.5 | 1.332 | 33.83 | 1.419 | 36.04 | 1881 | 1264 | 28 |
| 800423 | 25 | 10 | 12 | 0.030 | 0.76 | 1.221 | 31.0 | 1.471 | 37.36 | 1.558 | 39.57 | 2249 | 1511 | 24 |
| 800444 | 30 | 10 | 12 | 0.030 | 0.76 | 1.293 | 32.8 | 1.543 | 39.19 | 1.630 | 41.40 | 2575 | 1730 | 24 |
| 801403 | 40 | 10 | 12 | 0.030 | 0.76 | 1.436 | 36.5 | 1.686 | 42.82 | 1.789 | 45.44 | 3234 | 2173 | 24 |
| 801404 | 50 | 10 | 12 | 0.030 | 0.76 | 1.626 | 41.3 | 1.926 | 48.92 | 2.029 | 51.54 | 3914 | 2630 | 20 |

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES
AMPACITY IS BASED ON CEC Part 1