

TECK90

XLPE/PVC/AIA/PVC, Control and Power, Armored
1000 V, CSA TECK90, Three Conductor



Features:

- Rated at 90°C wet or dry
- Excellent crush resistance, oil and chemical resistance
- Provides long service life
- Meets cold bend and impact tests at -40°C

Compliances:

- Industry Compliances:**
- CSA Standard C22.2 No. 131 and No. 174

Flame Test Compliances:

- CSA FT1 and FT4
- IEEE 383 (70,000 BTU/hr)
- UL 1581 (70,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) CSA FT4
- ICEA T-30-520 (70,000 BTU/hr)

Other Compliances:

- Hazardous Location Rating: HL
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable

Packaging:

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

Product Construction:

Conductor:

- 14 AWG thru 8 AWG bare copper Class B compressed concentric round to ASTM B8
- 6 AWG thru 1000 kcmil bare copper compact Class B strand

Insulation:

- Cross-linked Polyethylene (XLPE), Type RW90
- Color-coded: 14 AWG to 2 AWG—black, red and blue; 1 AWG to 1000 kcmil—printed numbers

Ground (Bonding) Conductor:

- The conductor consists of one uninsulated stranded bare copper conductor

Inner Jacket:

- Lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

Armor:

- Aluminum Interlocked Armor (AIA)

Overall Jacket:

- Lead-free, ACID-FLAME-CHECK ✓[®] flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

Print:

- GENERAL CABLE[®] ACID-FLAME-CHECK ✓[®] AG14 FT1 FT4 HL TECK90 XLPE (-40°C) 3/C SIZE (AWG OR KCML) 1000 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

Options:

- Galvanized Steel Interlocked Armor (GSIA)
- Other constructions available upon request

Applications:

- For exposed and concealed wiring in dry, damp or wet locations
- For use in ventilated, non-ventilated and ladder-type cable trays in dry, damp or wet locations
- For direct earth burial (with protection as required by inspection authority)
- For wiring in all hazardous locations when used with certified HL cable glands

| CATALOG NUMBER | NO. OF COND. | COND. SIZE (AWG/kcmil) | GROUND WIRE SIZE (AWG) | MIN. AVG. INS. THICKNESS | | NOMINAL DIAMETER (OVER) | | | | | | COPPER WEIGHT | | NET WEIGHT W/ARMOR | | | | AMPACITY** (30°C AMBIENT) |
|--|--------------|------------------------|------------------------|--------------------------|------|-------------------------|------|--------|------|--------|------|---------------|-------|--------------------|-------|-------|-------|---------------------------|
| | | | | | | INSULATION | | ARMOR | | CABLE | | LBS/1000 FT | kg/km | LBS/1000 FT | | kg/km | | |
| | | | | | | INCHES | mm | INCHES | mm | INCHES | mm | | | INCHES | mm | AL | STEEL | |
| 14 AWG THRU 1000 kcmil—THREE CONDUCTOR—1000 V | | | | | | | | | | | | | | | | | | |
| 330520* | 3 | 14 | 14 | .045 | 1.14 | 0.17 | 4.2 | 0.67 | 17.0 | 0.76 | 19.3 | 52 | 77 | 261 | 398 | 388 | 592 | 25 |
| 780260 | 3 | 12 | 14 | .045 | 1.14 | 0.18 | 4.6 | 0.72 | 18.3 | 0.80 | 20.3 | 75 | 112 | 299 | 445 | 445 | 662 | 30 |
| 331120 | 3 | 10 | 12 | .045 | 1.14 | 0.21 | 5.3 | 0.79 | 20.1 | 0.88 | 22.4 | 124 | 185 | 374 | 539 | 557 | 802 | 40 |
| 793200 | 3 | 8 | 10 | .045 | 1.14 | 0.24 | 6.1 | 0.86 | 21.9 | 0.94 | 23.9 | 189 | 281 | 486 | 666 | 723 | 991 | 55 |
| 11288.010600 | 3 | 6 | 8 | .060 | 1.52 | 0.31 | 7.8 | 1.03 | 26.2 | 1.13 | 28.7 | 300 | 447 | 724 | 836 | 1078 | 1244 | 75 |
| 11288.010400 | 3 | 4 | 8 | .060 | 1.52 | 0.35 | 8.8 | 1.16 | 29.5 | 1.25 | 31.8 | 447 | 665 | 970 | 1327 | 1444 | 1975 | 95 |
| 11288.010300 | 3 | 3 | 6 | .060 | 1.52 | 0.38 | 9.8 | 1.22 | 31.0 | 1.30 | 33.0 | 582 | 866 | 1136 | 1509 | 1691 | 2246 | 115 |
| 11288.010200 | 3 | 2 | 6 | .060 | 1.52 | 0.42 | 10.5 | 1.28 | 32.5 | 1.37 | 34.8 | 710 | 1056 | 1311 | 1702 | 1951 | 2533 | 130 |
| 11288.010100 | 3 | 1 | 6 | .080 | 2.03 | 0.49 | 12.5 | 1.44 | 36.6 | 1.54 | 39.1 | 866 | 1288 | 1593 | 2045 | 2371 | 3043 | 145 |
| 11288.015100 | 3 | 1/0 | 6 | .080 | 2.03 | 0.53 | 13.5 | 1.56 | 39.6 | 1.68 | 42.7 | 1069 | 1590 | 1906 | 2389 | 2837 | 3555 | 170 |
| 11288.015200 | 3 | 2/0 | 6 | .080 | 2.03 | 0.58 | 14.8 | 1.65 | 41.9 | 1.77 | 45.0 | 1327 | 1974 | 2225 | 2732 | 3311 | 4066 | 195 |
| 11288.015300 | 3 | 3/0 | 4 | .080 | 2.03 | 0.63 | 15.9 | 1.75 | 44.5 | 1.87 | 47.5 | 1670 | 2485 | 2666 | 3261 | 3967 | 4853 | 225 |
| 11288.015400 | 3 | 4/0 | 4 | .080 | 2.03 | 0.69 | 17.5 | 1.86 | 47.2 | 1.98 | 50.3 | 2109 | 3138 | 3207 | 3806 | 4772 | 5664 | 260 |
| 11288.016000 | 3 | 250 | 4 | .090 | 2.29 | 0.75 | 19.2 | 2.05 | 52.1 | 2.17 | 55.1 | 2470 | 3675 | 3800 | 4513 | 5655 | 6716 | 290 |
| 11288.016200 | 3 | 350 | 3 | .090 | 2.29 | 0.86 | 21.7 | 2.26 | 57.4 | 2.40 | 61.0 | 3437 | 5114 | 4979 | 5906 | 7409 | 8789 | 350 |
| 11288.016500 | 3 | 500 | 3 | .090 | 2.29 | 0.99 | 25.0 | 2.52 | 64.0 | 2.66 | 67.6 | 4839 | 7200 | 6586 | 7627 | 9798 | 11349 | 430 |
| 11288.017000* | 3 | 750 | 2 | .090 | 2.29 | 1.16 | 29.4 | 2.89 | 73.4 | 3.03 | 77.0 | 7225 | 10751 | 9267 | 10470 | 13790 | 15580 | 535 |
| 11288.017500* | 3 | 1000 | 1 | .090 | 2.29 | 1.31 | 33.2 | 3.28 | 83.3 | 3.44 | 87.4 | 9612 | 14303 | 12184 | 13566 | 18130 | 20187 | 615 |

Dimensions and weights are nominal; subject to industry tolerances.

*Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

**Ampacity is based on CE Code Part 1, Table 2 (Three conductors in raceway [conduit]) and Rule 4-004.



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