Product Construction:

Conductors:
- 14 AWG bare copper Class B compressed concentric round to ASTM B8

Insulation:
- Cross-linked Polyethylene (XLPE), Type RW90
- Color-coded: 1 to 4 conductors—black, white, red and blue; over 4 conductors—per ICEA Method 4, individual conductors colored black with conductor number surface printed in contrasting ink

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)#/C SIZE (14 AWG) 600 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

Options:
- Galvanized Steel Interlocked Armor (GSIA)

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

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

Compliance:
- Industry Compliances:
  - CSA Standard C22.2 No. 131 and No. 174
- Flame Test Compliances:
  - CSA FT1 and FT4
  - 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
  - RoHS Compliant

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

CATALOG NUMBER | NO. OF COND. | COND. SIZE (AWG) | GROUND WIRE SIZE (AWG) | INSULATION | ARMOR | CABLE | COPPER WEIGHT | NET WEIGHT W/ARMOR | AMPACITY** (30˚C AMBIENT)
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
780220 | 2 | 14 | 14 | 0.13 | 3.4 | 0.58 | 14.8 | 0.67 | 16.9 | 39 | 58 | 195 | 310 | 290 | 462 | 25
780250 | 3 | 14 | 14 | 0.13 | 3.4 | 0.60 | 15.4 | 0.69 | 17.4 | 52 | 78 | 226 | 346 | 336 | 515 | 25
780280 | 4 | 14 | 14 | 0.13 | 3.4 | 0.64 | 16.2 | 0.72 | 18.3 | 68 | 101 | 256 | 385 | 381 | 573 | 25
794540 | 5 | 14 | 14 | 0.13 | 3.4 | 0.68 | 17.3 | 0.76 | 19.3 | 81 | 121 | 290 | 430 | 432 | 640 | 20
792940 | 6 | 14 | 14 | 0.13 | 3.4 | 0.72 | 18.3 | 0.80 | 20.3 | 95 | 142 | 316 | 464 | 471 | 691 | 20
780310 | 7 | 14 | 14 | 0.13 | 3.4 | 0.74 | 18.8 | 0.82 | 20.8 | 104 | 155 | 338 | 490 | 503 | 730 | 17.5
330090 | 8 | 14 | 14 | 0.13 | 3.4 | 0.79 | 20.1 | 0.87 | 22.2 | 117 | 174 | 373 | 537 | 555 | 799 | 17.5
792960 | 10 | 14 | 14 | 0.13 | 3.4 | 0.88 | 22.3 | 0.96 | 24.3 | 149 | 222 | 451 | 637 | 671 | 948 | 17.5
792980 | 12 | 14 | 14 | 0.13 | 3.4 | 0.90 | 23.0 | 0.99 | 25.0 | 176 | 262 | 511 | 702 | 761 | 1045 | 17.5
793000 | 15 | 14 | 14 | 0.13 | 3.4 | 0.96 | 24.3 | 1.04 | 26.3 | 217 | 323 | 586 | 791 | 872 | 1177 | 17.5
780290 | 20 | 14 | 14 | 0.13 | 3.4 | 1.13 | 28.7 | 1.21 | 30.8 | 285 | 424 | 789 | 1117 | 1174 | 1662 | 17.5
308190* | 25 | 14 | 14 | 0.13 | 3.4 | 1.22 | 30.9 | 1.30 | 33.0 | 337 | 502 | 958 | 1315 | 1426 | 1957 | 15
333750* | 30 | 14 | 14 | 0.13 | 3.4 | 1.28 | 32.5 | 1.36 | 34.6 | 402 | 599 | 1015 | 1390 | 1511 | 2069 | 15
330280* | 40 | 14 | 14 | 0.13 | 3.4 | 1.40 | 35.6 | 1.48 | 37.7 | 531 | 791 | 1234 | 1649 | 1837 | 2454 | 15
299980* | 50 | 14 | 14 | 0.13 | 3.4 | 1.52 | 38.5 | 1.60 | 40.6 | 661 | 984 | 1463 | 1916 | 2178 | 2851 | 12.5

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 for 3 conductors in raceway (conduit). Ampacity of 4 conductor cable is based on 3 current-carrying conductors and 1 neutral. Ampacity at 5 or more conductors is modified by Table 5C.
TECK90
XLPE/PVC/AIA/PVC, Control, Armored
600 V, CSA TECK90, Multi-Conductor, 12 AWG

Product Construction:

Conductor:
- 12 AWG bare copper Class B compressed concentric round to ASTM B8

Insulation:
- Cross-linked Polyethylene (XLPE), Type RW90
- Color-coded: 1 to 4 conductors—black, white, red and blue; over 4 conductors—per ICEA Method 4, individual conductors colored black with conductor number surface printed in contrasting ink

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)®
- CATALOG NO.
- SIZE (12 AWG) 600 V DIR BUR SUN RES CSA
- MONTH-YEAR SEQUENTIAL LENGTH MARK

Options:
- Galvanized Steel Interlocked Armor (GSIA)

Compliances (cont’d.):
- 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
  - RoHS Compliant

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 wood reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>NO. OF COND.</th>
<th>COND. SIZE (AWG)</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>NOMINAL DIAMETER (OVER)</th>
<th>COPPER WEIGHT</th>
<th>NET WEIGHT W/ARMOR</th>
<th>AMPACITY** (30˚C AMBIENT)</th>
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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 3 for 2 conductors in raceway (conduit). Ampacity of 4 conductor cable is based on 3 current-carrying conductors and 1 neutral. Ampacity at 5 or more conductors is modified by Table SC.
# TECK90

**XLPE/PVC/AIA/PVC, Control, Armored**

600 V, CSA TECK90, Multi-Conductor, 10 AWG

---

**Product Construction:**

**Conductor:**
- 10 AWG bare copper Class B compressed concentric round to ASTM B8

**Insulation:**
- Cross-linked Polyethylene (XLPE), Type RW90
- Color-coded: 1 to 4 conductors—black, white, red and blue; over 4 conductors—per ICEA Method 4, individual conductors colored black with conductor number surface printed in contrasting ink

**Ground (Bonding) Conductor:**
- The conductor consists of one uninsulated stranded bare copper conductor
- Color-coded per ICEA Method 4; individual conductors colored black with conductor number surface printed in contrasting ink

**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) SIZE (10 AWG) 600 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

**Options:**
- Galvanized Steel Interlocked Armor (GSIA)

**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

---

**Features:**
- Rated at 90˚C wet or dry
- Excellent crush, 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
- RoHS Compliant

---

**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 steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing

---

### Chart

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>NO. OF COND.</th>
<th>COND. SIZE (AWG)</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>NOMINAL DIAMETER (OVER)</th>
<th>COPPER WEIGHT</th>
<th>NET WEIGHT W/ARMOR</th>
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</table>

---

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 for 3 conductors in raceway (conduit). Ampacity of 4 conductor cable is based on 3 current-carrying conductors and 1 neutral. Ampacity at 5 or more conductors is modified by Table 5C.

---

**Labels:**
- LEAD-FREE, FLAME-RETARDANT, MOISTURE- AND SUNLIGHT-RESISTANT
- Polyvinyl Chloride (PVC), black

---

**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

---

**Oscillating Flame Test:**
- 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
- RoHS Compliant

---

**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 steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

---

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

---

**Compliance Links:**
- [Canadian Standard Association](www.canadianstandardassociation.org)
- [RoHS Compliant](www.rohs-compliant.org)

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**General Cable**
- Phone: 888-593-3355
- www.generalcable.com

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**SPEC 8075**
November, 2014
TECK90
XLPE/PVC/AIA/PVC, Power, Armored
1000 V, CSA TECK90, Single Conductor

Product Construction:
Conductor:
- 6 AWG thru 1000 kcmil bare copper compact Class B strand
Insulation:
- Cross-linked Polyethylene (XLPE), Type RW90
- Color-coded: black
Ground (Bonding) Conductor:
- The conductor is a concentric serving of solid bare copper wires applied over the insulation
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)1/C

Options:
- Galvanized Steel Interlocked Armor (GSIA)

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

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

Compliances (cont’d.):
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
- IEC 607-5-20 (70,000 BTU/hr)
Other Compliances:
- Hazardous Location Rating: HL
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

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

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 1 [single conductor in free air] and Rule 4-004.
**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 and white; 1 AWG to 1000 kcmil—printed numbers

**Ground (Bonding) Conductor:**
- The conductor consists of one uninsulated stranded bare copper conductor

**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) 2/C SIZE (AWG OR KCMIL) 1000 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

**Options:**
- Galvanized Steel Interlocked Armor (GSIA)

**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 earthing (with protection as required by inspection authority)
- For wiring in all hazardous locations when used with certified HL cable glands

**Compliance:**
- **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
  - IEC 61032-520 (70,000 BTU/hr)
- **Other Compliances:**
  - Hazardous Location Rating: HL
  - EPA 40 CFR, Part 261 for leachable lead content per TCLP method
  - OSHA Acceptable
  - RoHS Compliant

**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

**Catalog Data:**

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Dimensions and weights are nominal, subject to industry tolerances.

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

**Amperage is based on CE Code Part 1, Table 2 (Three conductors in raceway [conduit]) and Rule 4-004.
**TECK90**

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

**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-FIRE-CHECK Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

**Print:**
- GENERAL CABLE® ACID-FIRE-CHECK Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

**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 where used with certified HL cable glands

**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:**
- CSA Standard C22.2 No. 131 and No. 174
- CSA FT1 and FT4
- IEEE 383 (70,000 BTU/hr)
- UL 1581 (70,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) CSA FT4
- IEC 60332-1 (70,000 BTU/hr)

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

**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

---

**Catalogue Number Table**

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<th>CATALOG NO.</th>
<th>NO. OF COND.</th>
<th>COND. SIZE (AWG/ kcmil)</th>
<th>GROUND WIRE SIZE (AWG)</th>
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Dimensions and weights are nominal; subject to industry tolerances.
*Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.
**Amperage is based on CE Code Part 1, Table 2 (Three conductors in raceway [conduit]) and Rule 4-004.
TECK90
XLPE/PVC/AIA/PVC, Control and Power, Armored
1000 V, CSA TECK90, Four Conductor

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, blue and white; 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™ AGF1 FT1 FT4 HL TECK90 XLPE (-40˚C) 4/C SIZE (AWG OR KCMIL) 1000 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

Options:
• Galvanized Steel Interlocked Armor (GSIA)

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

Features:
• Rated at 90˚C wet or dry
• Excellent crush, 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
• IEC 1T-30-520 (70,000 BTU/hr)

Other Compliances:
• Hazardous Location Rating: HL
• EPA 40 CFR, Part 261 for lead free content per TCLP method
• OSHA Acceptable
• RoHS Compliant

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

Specifications:

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<th>NO. OF COND.</th>
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<th>GROUND WIRE SIZE (AWG)</th>
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| 331250         | 4            | 8                       | 10                     | .045 1.14                | .24 6.1 0.92 23.4 1.00 25.4 | 241 359 | 548 736 816 1096 |
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| 11288.025200   | 4            | 2                       | 0                      | .045 1.14                | .58 14.8 1.79 45.5 1.91 48.5 | 1742 2593 | 2745 3331 4085 4967 |
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| 11288.037500*  | 4            | 5                       | 0                      | .045 1.14                | 1.31 33.2 3.65 92.7 3.84 97.6 | 12885 19173 | 15800 23510 23500 34968 |

Dimensions and weights are nominal, subject to industry tolerances.
*Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.
**Amplacity is based on CE Code Part 1, Table 2 (Three conductors in raceway [conduit]) and Rule 4-004. Amplacity of 4 conductor cable is based on 3 current-carrying conductors and 1 neutral.

General Cable
Phone: 888-593-3355
www.generalcable.com

SPEC 8175
November, 2014
TECK90
XLPE/PVC/AIA/PVC, Power/Control Composite
600 V, CSA TECK90, Three Power and Three 14 AWG Control Conductors

Product Construction:
Conductor:
• 12 AWG thru 8 AWG bare copper Class B compressed concentric round to ASTM B8
• 6 AWG thru 4/0 AWG 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 4/0 AWG—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✓✓ AG34 FT1 FT4 HL TECK90 XLPE (+40˚C)3/C SIZE (AWG) +3/C #14 AWG 600 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

Options:
• Galvanized Steel Interlocked Armor (GSIA)

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

Features:
• Rated at 90˚C wet or dry
• Excellent crush, 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

Compliances (cont’d.):
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
• IEE 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
• RoHS Compliant

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

CATALOG NUMBER
NO. OF COND.
COND. SIZE (AWG/ kcmil)
GROUND WIRE SIZE (AWG)
MIN. AVG. INS. THICKNESS
INSULATION
ARMOR
CABLE
NOMINAL DIAMETER (OVER)
INSULATION ARMOR CABLE LBS/ 1000 FT kg/ km LBS/1000 FT kg/km LBS/1000 FT kg/km AL STEEL AL STEEL

<table>
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<tr>
<th>CATALOG NUMBER</th>
<th>NO. OF COND.</th>
<th>COND. SIZE (AWG/ kcmil)</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>MIN. AVG. INS. THICKNESS (INCHES mm)</th>
<th>LBS/ 1000 FT kg/ km</th>
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Dimensions and weights are nominal; subject to industry tolerances.
†Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.
*Contact Customer Service for steel catalog number.
**Ampacity is based on CE Code Part 1, Table 2 (Three conductors in raceway [conduit]) and Rule 4-004.
TECK90
TRXLPE/PVC/AIA/PVC, Power, Unshielded, Armored
5 kV, CSA TECK90, Single Conductor

Product Construction:
Conductor:
- 6 AWG thru 1000 kcmil bare copper compact
  Class B strand
Strand Shield:
- A thermost semi-conducting shield is extruded
  over the conductor
Insulation:
- Tree-Retardant Cross-linked Polyethylene (TRXLPE), Type RW90
Ground (Bonding) Conductor:
- The conductor is a concentric serving of solid
  bare copper wires applied over the insulation
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), orange

Print:
- GENERAL CABLE ® ACID-FLAME-CHECK ✓✓

Options:
- Galvanized Steel Interlocked Armor (GSIA)

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

Features:
- Rated at 90˚C wet or dry
- Excellent crush, 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
- RoHS Compliant

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

CATALOG NUMBER
NO. OF COND.
COND. SIZE (AWG/ kcmil)
GROUND WIRE SIZE (AWG)
INSULATION ARMOR CABLE
LBS/1000 FT kg/ km LBS/1000 FT kg/ km

6 AWG THRU 1000 kcmil—SINGLE CONDUCTOR—UNSHIELDED—90 MILS INS. (2.29 mm)—5 kV

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 1 (single conductor in free air) and Rule 4-004.
SPEC 8250
April, 2015

TECK90
TRXLPE/PVC/AIA/PVC, Power, Unshielded, Armored
5 kV, CSA TECK90, Three Conductor

Product Construction:
Conductor:
- 6 AWG thru 1000 kcmil bare copper compact
  Class B strand

Strand Shield:
- A thermoset semi-conducting shield is extruded
  over the conductor

Insulation:
- Tree-Retardant Cross-linked Polyethylene
  (TRXLPE), Type RW90
- Color-coded: Black with 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), orange

Print:
- GENERAL CABLE® ACID-FLAME-CHECK ✓✓
  AG31 FT1 FT4 HL TECK90 TRXLPE (-40˚C) 3/C
  SIZE (AWG OR KCMIL) 5 kV DIR BUR SUN RES
  CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

Options:
- Galvanized Steel Interlocked Armor (GSIA)

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

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

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
- IEE T-30-520 (70,000 BTU/hr)
- OSHA Acceptable
- RoHS Compliant

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
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  charges apply for cuts less than 1000 ft., lagging,
  pulling eyes, paralleling and plexing

CATALOG
NUMBER

NO.
OF
COND.

COND. SIZE (AWG/KCMIL)

GROUND WIRE SIZE (AWG)

INSULATION

ARMOR

CABLE

NOMINAL DIAMETER (OVER)

INCHES

mm

INCHES

mm

INCHES

mm

COPPER WEIGHT

LBS/1000 FT

kg/km

NET WEIGHT W/ARMOR

LBS/1000 FT

kg/km

AMPACITY**

(30˚C AMBIENT)

AL

STEEL

AL

STEEL

17496.020600 3 6 8 0.39 10.0 1.27 32.3 1.37 34.8 301 448 927 1340 1380 2000 75
17496.020400 3 4 8 0.43 10.5 1.37 34.8 1.47 37.4 442 658 1138 1590 1694 2370 95
17496.010300* 3 3 6 0.46 11.7 1.42 36.1 1.52 38.6 583 868 1310 1780 1950 2640 115
17496.020200 3 2 6 0.49 12.5 1.49 37.9 1.59 40.4 703 1046 1476 1980 2197 2940 130
17496.020100* 3 1 6 0.52 13.3 1.59 38.6 1.69 43.0 970 1444 1752 2230 2607 3350 145
17496.025100 3 1/0 6 0.56 14.2 1.67 42.4 1.77 45.0 1082 1610 2012 2540 2994 3780 170
17496.025200 3 2/0 6 0.60 15.2 1.76 44.7 1.86 47.3 1343 1999 2560 3440 3833 4420 195
17496.035300* 3 3/0 4 0.64 16.3 1.87 47.5 1.97 50.1 1720 2560 3283 4337 4219 5010 225
17496.025400 3 4/0 4 0.70 17.8 1.98 50.3 2.08 52.9 2315 3445 4326 5870 6492 7790 260
17496.056000 3 250 4 0.75 19.1 2.15 54.6 2.25 57.2 2469 3674 4712 6196 7110 9120 290
17496.026200 3 350 3 0.85 21.5 2.36 60.0 2.49 63.3 3476 5173 7520 10200 11320 14200 350
17496.046500 3 500 3 0.97 24.6 2.62 66.6 2.75 69.9 4837 7198 7671 10041 11720 14090 430
17496.077000 3 750 2 1.15 29.2 3.01 76.5 3.14 79.8 7224 10750 13790 18490 21200 26050 535
17496.017500* 3 1000 1 1.30 33.0 3.39 86.1 3.54 89.9 9715 14458 13790 15220 20520 22650 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.