

# **TEXCAN**

A Sonepar Company



# **TECK CABLE**

## **CATALOGUE**

# WHY CHOOSE TEXCAN?

Our expertise lies in providing solutions tailored to each customer's individual needs. Texcan has been a leader in the wire and cable industry since 1978, consistently going above and beyond to serve our customers. As one of the largest wire and cable suppliers in Canada, Texcan specializes in serving the electrical market and offers an extensive range of products and specialized services.

## LOCAL INVENTORY WHAT YOU WANT, WHEN YOU NEED IT!

Texcan takes pride in our extensive inventory, offering a diverse selection of wire and cable options to meet customers' specific requirements. We prioritize convenience, ensuring that our customers have easy access to the products they need, when they need them.

## LOCAL EXPERTISE WITH A GLOBAL PRESENCE

Texcan is a proud member of the Sonepar Group. Founded in 1969, the Sonepar Group of companies is an independent family-owned company and global market leader in B to B distribution of electrical products, solutions, and related services.

# PRODUCT SOURCING

Texcan's preferred partners are selected based on their reputation for excellence, reliability, and expertise in their respective fields. These partnerships are built on mutual trust, shared values, and a commitment to delivering exceptional customer experiences. By collaborating with industry-leading manufacturers and suppliers, Texcan ensures that it consistently offers outstanding products and solutions to its diverse customer base.



## LIVE 24/7, 365 DAY EMERGENCY SUPPORT

Texcan recognizes the crucial importance of continuous, year-round operations. We understand that during emergencies, disruptions can pose significant risks and expenses. That's why we are fully committed to delivering prompt assistance whenever it is required. Our dedicated team is available 24/7 to provide live help, ensuring that your operations can swiftly resume without any unnecessary delays. To access our live assistance, simply call our toll-free number, 1.800.665.1025.

We are ready to provide the support you need, anytime, anywhere.



## ENGINEERING SUPPORT

By choosing Texcan, you gain access to our dedicated in-house engineering and product management team, along with manufacturer support for your project. The sooner you engage us, the greater the value we can provide.

When you collaborate with us, we can assist in reviewing your bill of materials, ensuring accuracy and efficiency. Our team specializes in streamlining cabling specifications, optimizing designs, and technical compliance throughout the project life cycle. Our expertise allows us to streamline processes and enhance overall project efficiency.

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**To Place an Order** - For many of the products in the catalogue, you will find everything that you need to place an order. Should you need any assistance or require special orders, please contact your sales representative. A complete list of our sales offices can be found on the back cover of this catalogue.

# INTRODUCTION

Teck cable, a flexible armoured cable originally designed for use in Canadian mines, has become a key component for the distribution of electricity through a broad range of industrial, commercial and manufacturing facilities. Teck cable's combination of interlocking flexible armour with two layers of PVC jacket provide a rugged, compact and flexible cable that is resistant to corrosion, water and mechanical abuse. It is designed for use in wet or dry locations with a maximum conductor temperature of 90°C and a low temperature rating of -40°C



## APPLICATIONS

Teck cable is used extensively by the pulp and paper, chemical, mining, petrochemical and manufacturing industries in a broad range of applications, especially where cable may be subjected to mechanical damage and corrosive chemicals. Commercial applications for Teck cable include apartment buildings and commercial complexes. Teck cable is also an economical alternative as the need for conduits or ducts and pull boxes is eliminated. Teck cable is approved for use; in wet and dry locations, indoor and outdoor, in exposed and concealed wiring, in ventilated, non-ventilated and ladder type cable trays, for direct earth burial and for service entrance installations, above and below ground. It is 'HL' rated for use in all hazardous locations when used with optional 'HL' approved connectors.

## SPECIFICATIONS

- CSA FT1 & FT4
- CSA C22.2 No. 131 for Teck cables rated up to and including 5kV
- CSA C68.10 for shielded Teck cables rated 5kV and above
- CSA C22.2 No. 0.3 Clause 4.11.4 FT4 flame test
- CSA C22.2 No. 174 for use in the following hazardous locations (HL):
  - Suitable for HL: Zone 0, 1, 2 and Zone 20, 21, 22:
    - Class 1 Group A, B, C, D. Division 1 & 2
    - Class II Group E, F, G. Division 1 & 2
    - Class III
- ICEA S-66-524 / NEMA WC7 for Teck cables rated above 5kV
- IEEE 383 & 1202 (70,000 BTU/hr) flame test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Cable Tray Flame Test
- ICEA T-30-520 (70,000 BTU/hr) Vertical Cable Tray Flame Test

\*Refer to CE Code for details

## CAUTION NOTICE

In case of fire, well maintained early warning smoke detectors will give an alarm long before non-metallic coverings become combustible. However, the Electrical and Electronic Manufacturers Association of Canada has suggested that all purchasers of PVC insulated / jacketed products be advised of the following:

- Non-metallic coverings of electrical cables can burn and may transmit fire when ignited.
- Burning non-metallic coverings may emit acid gases which are toxic and may generate dense smoke.
- Emission of acid gases may corrode metal in the vicinity e.g. sensitive instruments and reinforcing rods in cement.

The installer and/or user assumes all liability for the consequences of the installation and/or use of any of the products in violation of any applicable law, regulation, or code.

# STANDARD DESIGN FEATURES

## CONDUCTORS

Class B compact or compressed concentric standard soft drawn bare copper per ASTM.

## CONDUCTOR SHIELDING

An extruded thermoset layer of semi-conducting shield is extruded over the conductor on all cables rated over 1kV

## INSULATION

Cross-linked polyethylene (XLPE), meeting the requirements of CSA for cables rated up to and including 1kV. For cables rated 5kV and above, the TR-XLPE insulation meets the requirements of CSA Standard C68.10

## METALLIC SHIELD

A standard 15% gapped copper tape shield meeting the requirements of CSA C68.10 is helically applied to the insulated conductors in three conductor shielded cables rated 5kV and above. In single conductor cables, the concentric ground serves as the metallic shield and bonding conductor.

## BONDING (GROUND ) CONDUCTOR

Class B stranded soft bare copper conductor is included in the assembled cable for multi-conductor cables. In single conductor cables, the concentric ground serves as the metallic shield and bonding conductor.

## FILLERS AND CORE BINDER TAPE

Where required, suitable fillers to make round and core binders may be used.

## INNER JACKET

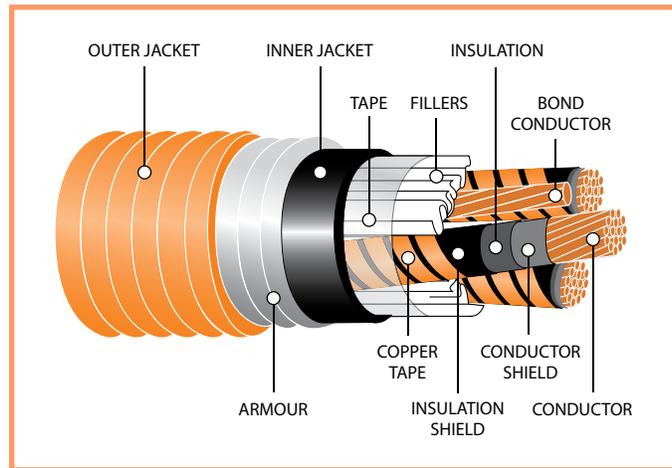
Flame-retardant and moisture resistant PVC Jacket is applied over the core.

## ARMOUR

An interlocking aluminum armour is applied over the inner jacket meeting the requirements of CSA C22.2 No. 131.

## OUTER JACKET

A low temperature (-40°C), flame-retardant, moisture and sunlight resistant PVC jacket is applied over the armour in accordance with CSA C22.2 No. 131. Complete cable FT4 rated.



## ACCESSORIES

- Non-hazardous Teck connectors
- Explosion proof (hazardous location) cable connectors
- High voltage termination and splice kits
- Compression lugs and sleeves
- Load - Dead break options

## COLOUR CODE

### TECK 90 CABLES:

- 2 conductor cables are colour coded black and white
- 3 conductor cables are colour coded black, red and blue
- 4 conductor cables are colour coded black, red, blue and white
- 5 or more conductor cables are black and alpha numeric coded

### ARMoured CONTROL:

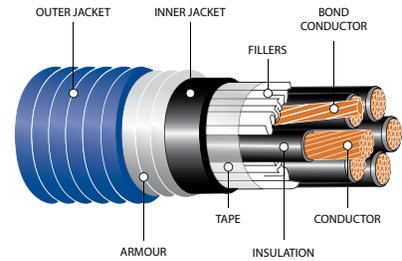
- Conductor #1 is white, the remaining conductors are black and numbered

## OPTIONS

- Aluminum phase conductor and bonding conductor
- Ethylene-propylene rubber (EPR) insulation for shielded Teck cables rated 5kV and above
- Overlapping copper tape shield
- Sequential marking on outer jacket
- Special ground wire requirements: 50% of phase conductor or more than one ground conductor
- Fully filled core for multiconductor Teck cables rated 5kV and above
- Galvanized steel interlocked armour (GSIA) for multiconductor Teck cables
- Coloured outer jacket
- Vertical riser Teck
- Variable frequency drive (VFD)
- Low smoke zero halogen (600V - 1KV)
- Copper tape shields available on single conductor medium voltage (MV) products
- Other constructions available upon request

## Armoured Control 16 AWG 600V

XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA FT4
- CSA C22.2 No. 239
- CSA C22.2 No. 174
- CSA C22.2 No. 38

\*Refer to CE Code for details



### CONSTRUCTION

**Conductor:** Bare copper Class B compressed stranded

**Insulation:** Cross-Linked Polyethylene (XLPE) Type RW90

**Ground (Bonding) Conductor:** Uninsulated stranded bare copper conductor

**Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)

**Armour:** Aluminum Interlocked Armour (AIA)

**Outer Jacket:** Low-temperature and moisture resistant Polyvinyl Chloride (PVC), blue

**Options:** Galvanized Steel Interlocked Armour (GSIA)

Other coloured outer jacket and constructions available upon request  
Connectors sized upon request

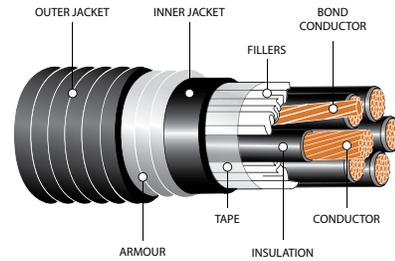
### 16 AWG

| Part Number  | No. of Conductors | AWG Size |           | Approximate Diameter (Over) |              |                    | Net Weight w/ Armour |       |
|--------------|-------------------|----------|-----------|-----------------------------|--------------|--------------------|----------------------|-------|
|              |                   | Cond.    | Bond Wire | Inner Jacket (in.)          | Armour (in.) | Outer Jacket (in.) | LB/MFT               | KG/KM |
| 22000-02-040 | 2                 | 16       | 16        | 0.336                       | 0.536        | 0.650              | 177                  | 264   |
| 22000-03-040 | 3                 | 16       | 16        | 0.356                       | 0.556        | 0.670              | 196                  | 291   |
| 22000-04-040 | 4                 | 16       | 16        | 0.386                       | 0.586        | 0.700              | 217                  | 323   |
| 22000-05-040 | 5                 | 16       | 16        | 0.420                       | 0.620        | 0.730              | 241                  | 358   |
| 22000-06-040 | 6                 | 16       | 16        | 0.446                       | 0.686        | 0.798              | 264                  | 393   |
| 22000-07-040 | 7                 | 16       | 16        | 0.482                       | 0.722        | 0.834              | 276                  | 411   |
| 22000-08-040 | 8                 | 16       | 16        | 0.545                       | 0.785        | 0.897              | 300                  | 447   |
| 22000-10-040 | 10                | 16       | 16        | 0.597                       | 0.797        | 0.920              | 373                  | 555   |
| 22000-12-040 | 12                | 16       | 16        | 0.626                       | 0.826        | 0.950              | 407                  | 605   |
| 22000-15-040 | 15                | 16       | 16        | 0.673                       | 0.873        | 0.990              | 459                  | 683   |
| 22000-20-040 | 20                | 16       | 16        | 0.749                       | 0.949        | 1.070              | 545                  | 811   |
| 22000-25-040 | 25                | 16       | 16        | 0.888                       | 1.123        | 1.220              | 730                  | 1086  |
| 22000-30-040 | 30                | 16       | 16        | 0.942                       | 1.172        | 1.280              | 811                  | 1206  |
| 22000-40-040 | 40                | 16       | 16        | 1.045                       | 1.275        | 1.380              | 974                  | 1449  |
| 22000-50-040 | 50                | 16       | 16        | 1.149                       | 1.379        | 1.480              | 1141                 | 1697  |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Multiconductor 14 AWG 600V XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA - C22.2 No. 38 Thermoset Type RW90
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compressed stranded
- Insulation:** Cross-Linked Polyethylene (XLPE) Type RW90
- Ground (Bonding) Conductor:** Uninsulated stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Galvanized Steel Interlocked Armour (GSIA)  
Other coloured outer jacket and constructions available upon request  
Low smoke zero halogen (LSZH)  
Connectors sized upon request

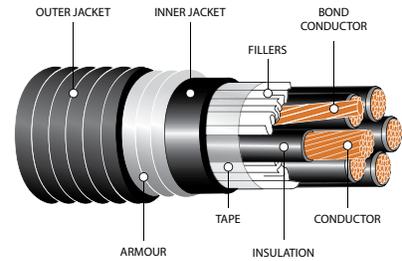
### 14 AWG

| Part Number  | No. of Conductors | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|-------------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              |                   | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 05001-01-010 | 2                 | 14       | 14        | 0.030                      | 0.130                       | 0.360              | 0.580        | 0.670              | 39             | 58     | 195                  | 290    |
| 05001-02-010 | 3                 | 14       | 14        | 0.030                      | 0.130                       | 0.380              | 0.600        | 0.690              | 52             | 78     | 226                  | 336    |
| 05001-03-010 | 4                 | 14       | 14        | 0.030                      | 0.130                       | 0.420              | 0.640        | 0.720              | 68             | 101    | 256                  | 381    |
| 05001-04-010 | 5                 | 14       | 14        | 0.030                      | 0.130                       | 0.460              | 0.680        | 0.760              | 81             | 121    | 290                  | 432    |
| 05001-05-010 | 6                 | 14       | 14        | 0.030                      | 0.130                       | 0.500              | 0.720        | 0.800              | 95             | 142    | 316                  | 471    |
| 05001-06-010 | 7                 | 14       | 14        | 0.030                      | 0.130                       | 0.520              | 0.740        | 0.820              | 104            | 155    | 338                  | 503    |
| 05001-07-010 | 8                 | 14       | 14        | 0.030                      | 0.130                       | 0.570              | 0.790        | 0.870              | 117            | 174    | 373                  | 555    |
| 05001-09-010 | 10                | 14       | 14        | 0.030                      | 0.130                       | 0.660              | 0.880        | 0.960              | 149            | 222    | 451                  | 671    |
| 05001-11-010 | 12                | 14       | 14        | 0.030                      | 0.130                       | 0.680              | 0.900        | 0.990              | 176            | 262    | 511                  | 761    |
| 05001-14-010 | 15                | 14       | 14        | 0.030                      | 0.130                       | 0.740              | 0.960        | 1.040              | 217            | 323    | 586                  | 872    |
| 05001-19-010 | 20                | 14       | 14        | 0.030                      | 0.130                       | 0.910              | 1.130        | 1.210              | 285            | 424    | 789                  | 1174   |
| 05001-24-010 | 25                | 14       | 14        | 0.030                      | 0.130                       | 1.000              | 1.220        | 1.300              | 337            | 502    | 958                  | 1426   |
| 05001-29-010 | 30                | 14       | 14        | 0.030                      | 0.130                       | 1.060              | 1.280        | 1.360              | 402            | 599    | 1015                 | 1511   |
| 05001-31-010 | 40                | 14       | 14        | 0.030                      | 0.130                       | 1.180              | 1.400        | 1.480              | 531            | 791    | 1234                 | 1837   |
| 05001-33-010 | 50                | 14       | 14        | 0.030                      | 0.130                       | 1.300              | 1.520        | 1.600              | 661            | 984    | 1463                 | 2178   |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Multiconductor 12 AWG 600V XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA - C22.2 No. 38 Thermoset Type RW90
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compressed stranded
- Insulation:** Cross-Linked Polyethylene (XLPE) Type RW90
- Ground (Bonding) Conductor:** Uninsulated stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Galvanized Steel Interlocked Armour (GSIA)  
Other coloured outer jacket and constructions available upon request  
Low smoke zero halogen (LSZH)  
Connectors sized upon request

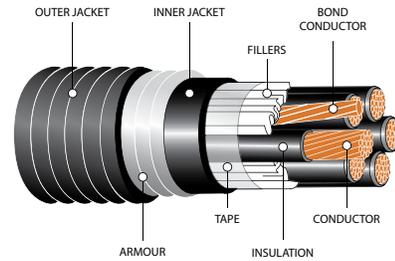
| 12 AWG       |                   |          |           |                            |                             |                    |              |                    |                |        |                      |        |
|--------------|-------------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
| Part Number  | No. of Conductors | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|              |                   | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 05002-01-010 | 2                 | 12       | 14        | 0.030                      | 0.150                       | 0.400              | 0.620        | 0.700              | 55             | 82     | 228                  | 340    |
| 05002-02-010 | 3                 | 12       | 14        | 0.030                      | 0.150                       | 0.430              | 0.650        | 0.730              | 75             | 112    | 254                  | 378    |
| 05002-03-010 | 4                 | 12       | 14        | 0.030                      | 0.150                       | 0.470              | 0.690        | 0.770              | 96             | 143    | 293                  | 436    |
| 05002-04-010 | 5                 | 12       | 14        | 0.030                      | 0.150                       | 0.510              | 0.730        | 0.810              | 116            | 173    | 350                  | 521    |
| 05002-05-010 | 6                 | 12       | 14        | 0.030                      | 0.150                       | 0.590              | 0.810        | 0.890              | 137            | 204    | 416                  | 619    |
| 05002-06-010 | 7                 | 12       | 14        | 0.030                      | 0.150                       | 0.610              | 0.830        | 0.910              | 157            | 234    | 443                  | 660    |
| 05002-07-010 | 8                 | 12       | 14        | 0.030                      | 0.150                       | 0.640              | 0.860        | 0.940              | 177            | 264    | 492                  | 732    |
| 05002-09-010 | 10                | 12       | 14        | 0.030                      | 0.150                       | 0.730              | 0.950        | 1.040              | 219            | 326    | 555                  | 826    |
| 05002-11-010 | 12                | 12       | 14        | 0.030                      | 0.150                       | 0.790              | 1.010        | 1.100              | 261            | 389    | 653                  | 972    |
| 05002-14-010 | 15                | 12       | 14        | 0.030                      | 0.150                       | 0.850              | 1.070        | 1.160              | 322            | 480    | 757                  | 1127   |
| 05002-19-010 | 20                | 12       | 14        | 0.030                      | 0.150                       | 1.010              | 1.230        | 1.320              | 424            | 631    | 986                  | 1468   |
| 05002-24-010 | 25                | 12       | 14        | 0.030                      | 0.150                       | 1.110              | 1.330        | 1.420              | 527            | 785    | 1210                 | 1801   |
| 05002-29-010 | 30                | 12       | 14        | 0.030                      | 0.150                       | 1.180              | 1.400        | 1.490              | 630            | 938    | 1320                 | 1965   |
| 05002-31-010 | 40                | 12       | 14        | 0.030                      | 0.150                       | 1.320              | 1.540        | 1.640              | 837            | 1246   | 1725                 | 2567   |
| 05002-49-010 | 50                | 12       | 14        | 0.030                      | 0.150                       | 1.450              | 1.670        | 1.770              | 1044           | 1553   | 2055                 | 3058   |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Multiconductor 10 AWG 600V

XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA - C22.2 No. 38 Thermoset Type RW90
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compressed stranded
- Insulation:** Cross-Linked Polyethylene (XLPE) Type RW90
- Ground (Bonding) Conductor:** Uninsulated stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Galvanized Steel Interlocked Armour (GSIA)  
Other coloured outer jacket and constructions available upon request  
Low smoke zero halogen (LSZH)  
Connectors sized upon request

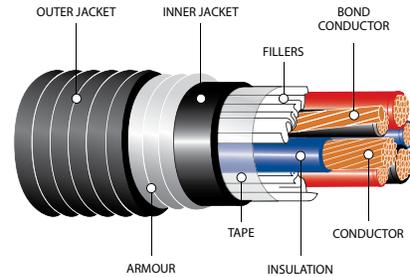
| 10 AWG       |                   |          |           |                            |                             |                    |              |                    |                |        |                      |        |
|--------------|-------------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
| Part Number  | No. of Conductors | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|              |                   | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 05003-01-010 | 2                 | 10       | 12        | 0.030                      | 0.180                       | 0.450              | 0.670        | 0.750              | 87             | 130    | 275                  | 410    |
| 05003-02-010 | 3                 | 10       | 12        | 0.030                      | 0.180                       | 0.480              | 0.700        | 0.780              | 119            | 177    | 327                  | 487    |
| 05003-03-010 | 4                 | 10       | 12        | 0.030                      | 0.180                       | 0.555              | 0.740        | 0.830              | 150            | 223    | 413                  | 615    |
| 05003-04-010 | 5                 | 10       | 12        | 0.030                      | 0.180                       | 0.600              | 0.820        | 0.910              | 184            | 274    | 473                  | 704    |
| 05003-05-010 | 6                 | 10       | 12        | 0.030                      | 0.180                       | 0.660              | 0.880        | 0.960              | 217            | 323    | 515                  | 766    |
| 05003-07-010 | 8                 | 10       | 12        | 0.030                      | 0.180                       | 0.710              | 0.930        | 1.020              | 282            | 420    | 613                  | 912    |
| 05003-09-010 | 10                | 10       | 12        | 0.030                      | 0.180                       | 0.860              | 1.080        | 1.160              | 348            | 518    | 828                  | 1232   |
| 05003-11-010 | 12                | 10       | 12        | 0.030                      | 0.180                       | 0.930              | 1.150        | 1.230              | 414            | 617    | 916                  | 1363   |
| 05003-14-010 | 15                | 10       | 12        | 0.030                      | 0.180                       | 1.000              | 1.220        | 1.300              | 512            | 762    | 1084                 | 1613   |
| 05003-19-010 | 20                | 10       | 12        | 0.030                      | 0.180                       | 1.140              | 1.360        | 1.440              | 675            | 1005   | 1316                 | 1958   |
| 05003-24-010 | 25                | 10       | 12        | 0.030                      | 0.180                       | 1.250              | 1.470        | 1.550              | 835            | 1243   | 1612                 | 2399   |
| 05003-29-010 | 30                | 10       | 12        | 0.030                      | 0.180                       | 1.330              | 1.550        | 1.650              | 998            | 1493   | 1821                 | 2709   |
| 05003-31-010 | 40                | 10       | 12        | 0.030                      | 0.180                       | 1.490              | 1.710        | 1.810              | 1321           | 1966   | 2278                 | 3390   |
| 05003-33-010 | 50                | 10       | 12        | 0.030                      | 0.180                       | 1.650              | 1.870        | 1.970              | 1648           | 2453   | 2820                 | 4196   |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Control Composite 3 Power & 3 Control Conductors 600V

XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA - C22.2 No. 38 Thermoset Type RW90
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compressed stranded
  - Insulation:** Cross-Linked Polyethylene (XLPE) Type RW90
  - Ground (Bonding) Conductor:** Uninsulated stranded bare copper conductor
  - Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
  - Armour:** Aluminum Interlocked Armour (AIA)
  - Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
  - Options:** Galvanized Steel Interlocked Armour (GSIA)
- Other coloured outer jacket and constructions available upon request  
Connectors sized upon request

### 14 AWG

| Part Number  | AWG Size |       |           | Insulation Thickness (in.) | Approximate Diameter (Over) |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-------|-----------|----------------------------|-----------------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Control  | Power | Bond Wire |                            | Inner Jacket (in.)          | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 05030-01-010 | 14       | 12    | 14        | 0.300                      | 0.560                       | 0.780        | 0.860              | 114            | 170    | 356                  | 530    |
| 05030-02-010 | 14       | 10    | 12        | 0.300                      | 0.590                       | 0.810        | 0.890              | 158            | 235    | 416                  | 619    |
| 05030-03-010 | 14       | 8     | 10        | 0.450                      | 0.690                       | 0.950        | 1.000              | 208            | 310    | 541                  | 805    |
| 05030-04-010 | 14       | 6     | 8         | 0.450                      | 0.740                       | 0.990        | 1.200              | 338            | 503    | 696                  | 1035   |
| 05030-05-010 | 14       | 4     | 8         | 0.450                      | 0.890                       | 1.140        | 1.250              | 485            | 722    | 972                  | 1446   |
| 05030-07-010 | 14       | 2     | 6         | 0.450                      | 1.020                       | 1.270        | 1.390              | 747            | 1112   | 1295                 | 1927   |
| 05030-08-010 | 14       | 1     | 6         | 0.550                      | 1.140                       | 1.390        | 1.500              | 911            | 1356   | 1539                 | 2290   |
| 05030-09-010 | 14       | 1/0   | 6         | 0.550                      | 1.220                       | 1.470        | 1.590              | 1117           | 1662   | 1798                 | 2676   |
| 05030-10-010 | 14       | 2/0   | 6         | 0.550                      | 1.320                       | 1.570        | 1.710              | 1378           | 2051   | 2150                 | 3199   |
| 05030-12-010 | 14       | 4/0   | 4         | 0.550                      | 1.550                       | 1.800        | 1.940              | 2167           | 3225   | 3080                 | 4583   |

### 12 AWG

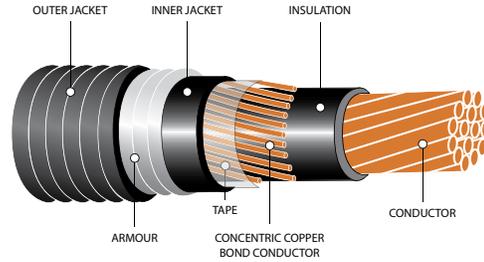
| Part Number  | AWG Size |       |           | Insulation Thickness (in.) | Approximate Diameter (Over) |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-------|-----------|----------------------------|-----------------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Control  | Power | Bond Wire |                            | Inner Jacket (in.)          | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 05031-02-010 | 12       | 10    | 12        | 0.030                      | 0.665                       | 0.865        | 0.979              | 180.2          | 268.0  | 431                  | 641    |
| 05031-03-010 | 12       | 8     | 10        | 0.040                      | 0.755                       | 0.955        | 1.071              | 250.7          | 373.0  | 544                  | 809    |
| 05031-04-010 | 12       | 6     | 8         | 0.060                      | 0.914                       | 1.134        | 1.250              | 361.6          | 538.0  | 822                  | 1223   |
| 05031-05-010 | 12       | 4     | 8         | 0.060                      | 0.930                       | 1.160        | 1.270              | 508.8          | 757.0  | 978                  | 1455   |
| 05031-07-010 | 12       | 2     | 6         | 0.060                      | 1.026                       | 1.246        | 1.362              | 772.3          | 1149.0 | 1307                 | 1944   |
| 05031-08-010 | 12       | 1     | 6         | 0.080                      | 1.182                       | 1.402        | 1.518              | 938.3          | 1396.0 | 1587                 | 2361   |
| 05031-09-010 | 12       | 1/0   | 6         | 0.080                      | 1.263                       | 1.483        | 1.603              | 1143.3         | 1701.0 | 1840                 | 2737   |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Single Conductor 1000V

XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA - C22.2 No. 38 Thermoset Insulated (XLPE)
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
- Insulation:** Cross-Linked Polyethylene (XLPE)
- Ground (Bonding) Conductor:** Concentric serving of solid bare copper wires applied over the insulation
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Other coloured outer jacket and constructions available upon request  
Low smoke zero halogen (LSZH)  
Connectors sized upon request

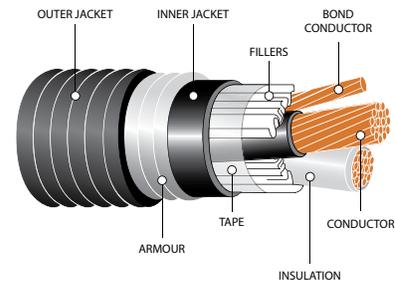
| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 05018-13-010 | 4        | 6         | 0.060                      | 0.350                       | 0.490              | 0.730        | 0.810              | 211            | 314    | 410                  | 610    |
| 05018-17-010 | 3        | 6         | 0.060                      | 0.380                       | 0.520              | 0.760        | 0.840              | 244            | 363    | 450                  | 680    |
| 05018-21-010 | 2        | 6         | 0.060                      | 0.420                       | 0.560              | 0.780        | 0.870              | 286            | 426    | 510                  | 760    |
| 05018-25-010 | 1        | 4         | 0.080                      | 0.490                       | 0.660              | 0.880        | 0.960              | 390            | 581    | 680                  | 1010   |
| 05019-01-010 | 1/0      | 4         | 0.080                      | 0.530                       | 0.690              | 0.910        | 1.000              | 458            | 682    | 760                  | 1130   |
| 05019-05-010 | 2/0      | 4         | 0.080                      | 0.580                       | 0.710              | 0.950        | 1.040              | 544            | 810    | 860                  | 1280   |
| 05019-09-010 | 3/0      | 3         | 0.080                      | 0.630                       | 0.810              | 1.030        | 1.120              | 685            | 1020   | 1080                 | 1610   |
| 05019-13-010 | 4/0      | 3         | 0.080                      | 0.690                       | 0.860              | 1.080        | 1.170              | 820            | 1220   | 1270                 | 1890   |
| 05020-01-010 | 250      | 2         | 0.090                      | 0.750                       | 0.990              | 1.210        | 1.290              | 980            | 1459   | 1490                 | 2210   |
| 05020-05-010 | 300      | 2         | 0.090                      | 0.770                       | 1.040              | 1.280        | 1.370              | 1112           | 1655   | 1920                 | 2857   |
| 05020-09-010 | 350      | 1         | 0.090                      | 0.815                       | 1.120              | 1.360        | 1.445              | 1340           | 1994   | 1910                 | 1910   |
| 05020-13-010 | 400      | 1         | 0.090                      | 0.850                       | 1.155              | 1.395        | 1.480              | 1499           | 2231   | 2088                 | 3107   |
| 05020-21-010 | 500      | 1/0       | 0.090                      | 0.925                       | 1.200              | 1.475        | 1.560              | 1841           | 2604   | 2510                 | 3740   |
| 05020-25-010 | 600      | 1/0       | 0.090                      | 1.005                       | 1.305              | 1.545        | 1.655              | 2173           | 3234   | 2877                 | 4281   |
| 05020-41-010 | 750      | 2/0       | 0.090                      | 1.160                       | 1.370              | 1.590        | 1.690              | 2570           | 3825   | 3510                 | 5230   |
| 05021-01-010 | 1000     | 2/0       | 0.090                      | 1.310                       | 1.590              | 1.810        | 1.900              | 3340           | 4970   | 4430                 | 6590   |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Two Conductor 1000V

XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA - C22.2 No. 38 Thermoset Insulated (XLPE)
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
- Insulation:** Cross-Linked Polyethylene (XLPE) Type RW90
- Ground (Bonding) Conductor:** Uninsulated stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Galvanized Steel Interlocked Armour (GSIA)  
Other coloured outer jacket and constructions available upon request  
Low smoke zero halogen (LSZH)  
Connectors sized upon request

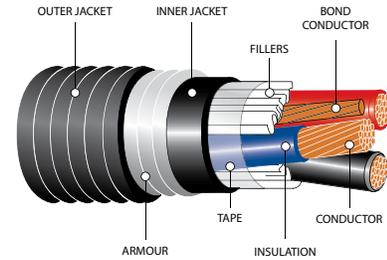
| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 05015-01-010 | 14       | 14        | 0.045                      | 0.170                       | 0.430              | 0.650        | 0.730              | 39             | 58     | 219                  | 326    |
| 05016-01-010 | 12       | 14        | 0.045                      | 0.180                       | 0.470              | 0.690        | 0.770              | 55             | 82     | 255                  | 380    |
| 05017-01-010 | 10       | 12        | 0.045                      | 0.210                       | 0.510              | 0.730        | 0.810              | 86             | 128    | 291                  | 433    |
| 05018-02-010 | 8        | 10        | 0.045                      | 0.240                       | 0.600              | 0.820        | 0.900              | 137            | 204    | 392                  | 584    |
| 05018-10-010 | 6        | 8         | 0.060                      | 0.310                       | 0.720              | 0.940        | 1.020              | 215            | 320    | 556                  | 827    |
| 05018-14-010 | 4        | 8         | 0.060                      | 0.350                       | 0.850              | 1.070        | 1.160              | 312            | 464    | 744                  | 1107   |
| 05018-18-010 | 3        | 6         | 0.060                      | 0.380                       | 0.930              | 1.150        | 1.230              | 415            | 618    | 905                  | 1347   |
| 05018-22-010 | 2        | 6         | 0.060                      | 0.420                       | 0.980              | 1.200        | 1.280              | 502            | 747    | 1030                 | 1533   |
| 05018-26-010 | 1        | 6         | 0.080                      | 0.490                       | 1.120              | 1.340        | 1.420              | 612            | 911    | 1235                 | 1838   |
| 05019-02-010 | 1/0      | 6         | 0.080                      | 0.530                       | 1.230              | 1.450        | 1.530              | 740            | 1101   | 1425                 | 2120   |
| 05019-06-010 | 2/0      | 6         | 0.080                      | 0.580                       | 1.280              | 1.500        | 1.580              | 922            | 1372   | 1660                 | 2470   |
| 05019-10-010 | 3/0      | 4         | 0.080                      | 0.630                       | 1.370              | 1.590        | 1.690              | 1190           | 1771   | 1995                 | 2969   |
| 05019-14-010 | 4/0      | 4         | 0.080                      | 0.690                       | 1.480              | 1.700        | 1.790              | 1466           | 2182   | 2350                 | 3497   |
| 05020-02-010 | 250      | 4         | 0.090                      | 0.750                       | 1.620              | 1.840        | 1.930              | 1709           | 2543   | 2779                 | 4135   |
| 05020-06-010 | 300      | 4         | 0.090                      | 0.760                       | 1.765              | 2.005        | 2.115              | 2018           | 3003   | 3341                 | 4972   |
| 05020-10-010 | 350      | 3         | 0.090                      | 0.860                       | 1.870              | 2.090        | 2.180              | 2373           | 3561   | 3650                 | 5431   |
| 05020-14-010 | 400      | 3         | 0.090                      | 0.850                       | 1.945              | 2.185        | 2.295              | 2687           | 3999   | 4147                 | 6171   |
| 05020-22-010 | 500      | 3         | 0.090                      | 0.990                       | 2.110              | 2.330        | 2.450              | 3316           | 4935   | 4895                 | 7284   |
| 05020-42-010 | 750      | 1         | 0.090                      | 1.160                       | 2.450              | 2.670        | 2.790              | 4941           | 7353   | 6872                 | 10226  |
| 05020-46-010 | 1000     | 1         | 0.090                      | 1.310                       | 2.760              | 2.980        | 3.100              | 6562           | 9766   | 8993                 | 13382  |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Three Conductor 1000V

XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA - C22.2 No. 38 Thermoset Insulated (XLPE)
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
- Insulation:** Cross-Linked Polyethylene (XLPE) Type RW90
- Ground (Bonding) Conductor:** Uninsulated stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Galvanized Steel Interlocked Armour (GSIA)  
Other coloured outer jacket and constructions available upon request  
Low smoke zero halogen (LSZH)  
Connectors sized upon request

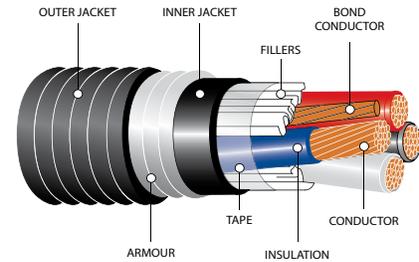
| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 05015-02-010 | 14       | 14        | 0.045                      | 0.170                       | 0.470              | 0.670        | 0.760              | 52             | 77     | 261                  | 388    |
| 05016-02-010 | 12       | 14        | 0.045                      | 0.180                       | 0.510              | 0.720        | 0.800              | 75             | 112    | 299                  | 445    |
| 05017-02-010 | 10       | 12        | 0.045                      | 0.210                       | 0.590              | 0.790        | 0.880              | 124            | 185    | 374                  | 557    |
| 05018-03-010 | 8        | 10        | 0.045                      | 0.240                       | 0.630              | 0.860        | 0.940              | 189            | 281    | 486                  | 723    |
| 05018-11-010 | 6        | 8         | 0.060                      | 0.310                       | 0.780              | 1.030        | 1.130              | 300            | 447    | 724                  | 1078   |
| 05018-15-010 | 4        | 8         | 0.060                      | 0.350                       | 0.910              | 1.160        | 1.250              | 447            | 665    | 970                  | 1444   |
| 05018-19-010 | 3        | 6         | 0.060                      | 0.380                       | 0.970              | 1.220        | 1.300              | 582            | 866    | 1136                 | 1691   |
| 05018-23-010 | 2        | 6         | 0.060                      | 0.420                       | 1.020              | 1.280        | 1.370              | 710            | 1056   | 1311                 | 1951   |
| 05018-27-010 | 1        | 6         | 0.080                      | 0.490                       | 1.210              | 1.440        | 1.540              | 866            | 1288   | 1593                 | 2371   |
| 05019-03-010 | 1/0      | 6         | 0.080                      | 0.530                       | 1.290              | 1.560        | 1.680              | 1069           | 1590   | 1906                 | 2837   |
| 05019-07-010 | 2/0      | 6         | 0.080                      | 0.580                       | 1.380              | 1.650        | 1.770              | 1327           | 1974   | 2225                 | 3311   |
| 05019-11-010 | 3/0      | 4         | 0.080                      | 0.630                       | 1.490              | 1.750        | 1.870              | 1670           | 2485   | 2666                 | 3967   |
| 05019-15-010 | 4/0      | 4         | 0.080                      | 0.690                       | 1.600              | 1.860        | 1.980              | 2109           | 3138   | 3207                 | 4772   |
| 05020-03-010 | 250      | 4         | 0.090                      | 0.750                       | 1.800              | 2.050        | 2.170              | 2470           | 3675   | 3800                 | 5655   |
| 05020-07-010 | 300      | 4         | 0.090                      | 0.760                       | 1.885              | 2.125        | 2.235              | 2961           | 4406   | 4460                 | 6637   |
| 05020-11-010 | 350      | 3         | 0.090                      | 0.860                       | 2.010              | 2.260        | 2.400              | 3437           | 5114   | 4979                 | 7409   |
| 05020-15-010 | 400      | 3         | 0.090                      | 0.850                       | 2.075              | 2.315        | 2.455              | 3948           | 5875   | 5719                 | 8511   |
| 05020-23-010 | 500      | 3         | 0.090                      | 0.990                       | 2.270              | 2.520        | 2.660              | 4839           | 7200   | 6586                 | 9798   |
| 05020-33-010 | 600      | 2         | 0.090                      | 1.005                       | 2.410              | 2.650        | 2.790              | 5868           | 8733   | 7948                 | 11828  |
| 05020-43-010 | 750      | 2         | 0.090                      | 1.160                       | 2.760              | 2.890        | 3.030              | 7225           | 10751  | 9267                 | 13790  |
| 05021-03-010 | 1000     | 1         | 0.090                      | 1.310                       | 3.080              | 3.280        | 3.440              | 9612           | 14303  | 12184                | 18130  |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Four Conductor 1000V

XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA - C22.2 No. 38 Thermoset Insulated (XLPE)
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

\*Refer to CE Code for details

### CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
- Insulation:** Cross-Linked Polyethylene (XLPE) Type RW90
- Ground (Bonding) Conductor:** Uninsulated stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Galvanized Steel Interlocked Armour (GSIA)  
Other coloured outer jacket and constructions available upon request  
Low smoke zero halogen (LSZH)  
Connectors sized upon request



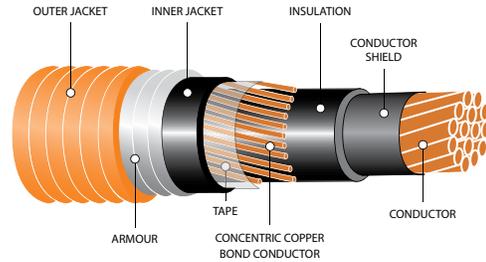
| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 05015-03-010 | 14       | 14        | 0.045                      | 0.170                       | 0.500              | 0.720        | 0.800              | 68             | 101    | 290                  | 430    |
| 05016-03-010 | 12       | 14        | 0.045                      | 0.180                       | 0.570              | 0.790        | 0.880              | 96             | 143    | 357                  | 531    |
| 05017-03-010 | 10       | 12        | 0.045                      | 0.210                       | 0.630              | 0.850        | 0.930              | 150            | 223    | 455                  | 677    |
| 05018-04-010 | 8        | 10        | 0.045                      | 0.240                       | 0.700              | 0.920        | 1.000              | 241            | 359    | 548                  | 816    |
| 05018-12-010 | 6        | 8         | 0.060                      | 0.310                       | 0.930              | 1.150        | 1.250              | 383            | 570    | 907                  | 1350   |
| 05018-16-010 | 4        | 8         | 0.060                      | 0.350                       | 1.040              | 1.260        | 1.350              | 579            | 862    | 1168                 | 1738   |
| 05018-20-010 | 3        | 6         | 0.060                      | 0.380                       | 1.090              | 1.310        | 1.400              | 748            | 1113   | 1373                 | 2043   |
| 05018-24-010 | 2        | 6         | 0.060                      | 0.420                       | 1.150              | 1.370        | 1.460              | 919            | 1368   | 1583                 | 2356   |
| 05018-28-010 | 1        | 6         | 0.080                      | 0.490                       | 1.380              | 1.600        | 1.720              | 1128           | 1679   | 2032                 | 3024   |
| 05019-04-010 | 1/0      | 6         | 0.080                      | 0.530                       | 1.470              | 1.690        | 1.810              | 1398           | 2081   | 2365                 | 3520   |
| 05019-08-010 | 2/0      | 6         | 0.080                      | 0.580                       | 1.570              | 1.790        | 1.910              | 1742           | 2593   | 2745                 | 4085   |
| 05019-12-010 | 3/0      | 4         | 0.080                      | 0.630                       | 1.690              | 1.910        | 2.030              | 2223           | 3308   | 3398                 | 5057   |
| 05019-16-010 | 4/0      | 4         | 0.080                      | 0.690                       | 1.870              | 2.090        | 2.210              | 2769           | 4121   | 4170                 | 6205   |
| 05020-04-010 | 250      | 4         | 0.090                      | 0.750                       | 2.010              | 2.230        | 2.350              | 3249           | 4835   | 4789                 | 7126   |
| 05020-12-010 | 350      | 3         | 0.090                      | 0.860                       | 2.240              | 2.460        | 2.600              | 4528           | 6738   | 6307                 | 9385   |
| 05020-24-010 | 500      | 3         | 0.090                      | 0.990                       | 2.540              | 2.760        | 2.900              | 6395           | 9516   | 8438                 | 12556  |
| 05020-44-010 | 750      | 2         | 0.090                      | 1.160                       | 3.020              | 3.240        | 3.420              | 9564           | 14232  | 12411                | 18468  |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Unshielded Single Conductor 90 MIL 5kV

XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA - C22.2 No. 38 Thermoset Insulated (XLPE)
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

\*Refer to CE Code for details



### CONSTRUCTION

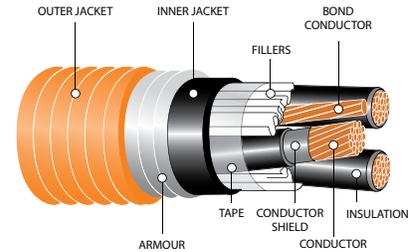
- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Cross-Linked Polyethylene (XLPE)
- Ground (Bonding) Conductor:** Concentric serving of solid bare copper wires applied over the insulation
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), orange
- Options:** Other coloured outer jacket and constructions available upon request
  - TR-XLPE insulation
  - EPR insulation
  - Connectors sized upon request

| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19001-01-060 | 6        | 8         | 0.090                      | 0.390                       | 0.540              | 0.760        | 0.850              | 143            | 213    | 370                  | 550    |
| 19001-02-060 | 4        | 6         | 0.090                      | 0.430                       | 0.620              | 0.840        | 0.930              | 223            | 332    | 490                  | 730    |
| 19001-04-060 | 2        | 6         | 0.090                      | 0.490                       | 0.670              | 0.890        | 0.980              | 301            | 448    | 590                  | 890    |
| 19001-05-060 | 1        | 4         | 0.090                      | 0.520                       | 0.710              | 0.930        | 1.020              | 405            | 603    | 720                  | 1060   |
| 19001-06-060 | 1/0      | 4         | 0.090                      | 0.560                       | 0.740              | 0.960        | 1.060              | 474            | 705    | 800                  | 1190   |
| 19001-07-060 | 2/0      | 4         | 0.090                      | 0.600                       | 0.810              | 1.030        | 1.130              | 561            | 835    | 900                  | 1350   |
| 19001-08-060 | 3/0      | 3         | 0.090                      | 0.640                       | 0.860              | 1.080        | 1.180              | 708            | 1054   | 1130                 | 1680   |
| 19001-09-060 | 4/0      | 3         | 0.090                      | 0.700                       | 0.940              | 1.160        | 1.260              | 847            | 1261   | 1330                 | 1970   |
| 19001-10-060 | 250      | 2         | 0.090                      | 0.750                       | 1.020              | 1.240        | 1.340              | 1012           | 1506   | 1530                 | 2280   |
| 19001-11-060 | 300      | 2         | 0.090                      | 0.805                       | 1.075              | 1.315        | 1.405              | 1128           | 1679   | 1695                 | 2522   |
| 19001-12-060 | 350      | 1         | 0.090                      | 0.850                       | 1.155              | 1.395        | 1.480              | 1345           | 2001   | 1960                 | 2910   |
| 19001-13-060 | 400      | 1         | 0.090                      | 0.895                       | 1.200              | 1.440        | 1.530              | 1499           | 2231   | 2133                 | 3174   |
| 19001-15-060 | 500      | 1/0       | 0.090                      | 0.970                       | 1.270              | 1.490        | 1.590              | 1548           | 2304   | 2570                 | 3830   |
| 19001-16-060 | 600      | 1/0       | 0.090                      | 1.055                       | 1.355              | 1.595        | 1.705              | 2174           | 3235   | 2929                 | 4359   |
| 19001-24-060 | 750      | 2/0       | 0.090                      | 1.150                       | 1.460              | 1.680        | 1.780              | 2243           | 3338   | 3900                 | 5800   |
| 19001-25-060 | 1000     | 2/0       | 0.090                      | 1.300                       | 1.640              | 1.860        | 1.960              | 2819           | 4195   | 4930                 | 7340   |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

## Unshielded Three Conductor 90 MIL 5kV

XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA - C22.2 No. 38 Thermoset Insulated (XLPE)
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

\*Refer to CE Code for details

### CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Cross-Linked Polyethylene (XLPE)
- Ground (Bonding) Conductor:** Uninsulated stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), orange
- Options:** Galvanized Steel Interlocked Armour (GSIA)  
Other coloured outer jacket and constructions available upon request  
TR-XLPE insulation  
EPR insulation  
Connectors sized upon request



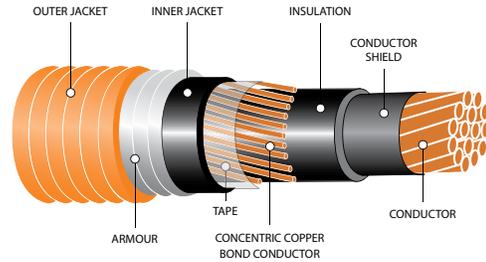
| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19003-02-060 | 6        | 8         | 0.090                      | 0.390                       | 1.050              | 1.270        | 1.370              | 301            | 448    | 927                  | 1380   |
| 19003-03-060 | 4        | 8         | 0.090                      | 0.430                       | 1.150              | 1.370        | 1.470              | 442            | 658    | 1138                 | 1694   |
| 19003-04-060 | 2        | 6         | 0.090                      | 0.490                       | 1.270              | 1.490        | 1.590              | 703            | 1046   | 1476                 | 2197   |
| 19003-05-060 | 1        | 6         | 0.090                      | 0.520                       | 1.370              | 1.590        | 1.690              | 970            | 1444   | 1752                 | 2607   |
| 19003-06-060 | 1/0      | 6         | 0.090                      | 0.560                       | 1.450              | 1.670        | 1.770              | 1082           | 1610   | 2012                 | 2994   |
| 19003-07-060 | 2/0      | 6         | 0.090                      | 0.600                       | 1.540              | 1.760        | 1.860              | 1343           | 1999   | 2334                 | 3473   |
| 19003-08-060 | 3/0      | 4         | 0.090                      | 0.640                       | 1.650              | 1.870        | 1.970              | 1720           | 2560   | 2835                 | 4219   |
| 19003-09-060 | 4/0      | 4         | 0.090                      | 0.700                       | 1.760              | 1.980        | 2.080              | 2315           | 3445   | 3328                 | 4952   |
| 19003-10-060 | 250      | 4         | 0.090                      | 0.750                       | 1.930              | 2.150        | 2.250              | 2469           | 3684   | 3910                 | 5819   |
| 19003-11-060 | 300      | 4         | 0.090                      | 0.805                       | 1.980              | 2.220        | 2.330              | 2961           | 4406   | 4616                 | 6869   |
| 19003-12-060 | 350      | 3         | 0.090                      | 0.850                       | 2.140              | 2.360        | 2.490              | 3476           | 5173   | 5102                 | 7592   |
| 19003-13-060 | 400      | 3         | 0.090                      | 0.895                       | 2.170              | 2.410        | 2.550              | 3948           | 5875   | 5836                 | 8685   |
| 19003-15-060 | 500      | 2         | 0.090                      | 0.970                       | 2.400              | 2.620        | 2.750              | 4837           | 7198   | 6721                 | 10001  |
| 19003-16-060 | 600      | 2         | 0.090                      | 1.051                       | 2.530              | 2.750        | 2.890              | 5868           | 8733   | 8110                 | 12069  |
| 19003-20-060 | 750      | 2         | 0.090                      | 1.150                       | 2.790              | 3.010        | 3.140              | 7224           | 10750  | 9469                 | 14090  |
| 19003-25-060 | 1000     | 1         | 0.090                      | 1.300                       | 3.170              | 3.390        | 3.540              | 9715           | 14458  | 13790                | 20520  |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Shielded Single Conductor 115 MIL 133% 5kV (aka 100% 8kV)

TR-XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA C68.10 - Shielded Power Cable

\*Refer to CE Code for details



### CONSTRUCTION

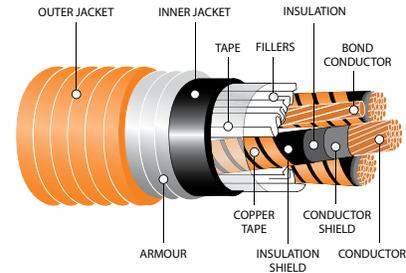
- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Ground (Bonding/Shield) Conductor:** Stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), orange
- Options:** Other coloured outer jacket and constructions available upon request
  - 90 MIL - 100% insulation optional
  - Copper tape shield - no ground / bond wire
  - EPR insulation
  - Connectors sized upon request

| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19012-02-060 | 6        | 8         | 0.115                      | 0.440                       | 0.730              | 0.950        | 1.040              | 145            | 216    | 550                  | 820    |
| 19012-03-060 | 4        | 6         | 0.115                      | 0.480                       | 0.770              | 0.990        | 1.080              | 225            | 335    | 680                  | 1010   |
| 19012-04-060 | 2        | 6         | 0.115                      | 0.540                       | 0.830              | 1.080        | 1.170              | 303            | 451    | 840                  | 1250   |
| 19012-05-060 | 1        | 4         | 0.115                      | 0.570                       | 0.910              | 1.160        | 1.250              | 407            | 606    | 960                  | 1430   |
| 19012-06-060 | 1/0      | 4         | 0.115                      | 0.610                       | 0.940              | 1.190        | 1.280              | 453            | 674    | 1060                 | 1570   |
| 19012-07-060 | 2/0      | 4         | 0.115                      | 0.650                       | 0.980              | 1.230        | 1.320              | 476            | 708    | 1170                 | 1740   |
| 19012-08-060 | 3/0      | 3         | 0.115                      | 0.700                       | 1.030              | 1.310        | 1.400              | 563            | 838    | 1350                 | 2000   |
| 19012-09-060 | 4/0      | 3         | 0.115                      | 0.750                       | 1.080              | 1.360        | 1.450              | 710            | 1057   | 1520                 | 2260   |
| 19012-10-060 | 250      | 2         | 0.115                      | 0.800                       | 1.160              | 1.440        | 1.530              | 849            | 1263   | 1730                 | 2580   |
| 19012-12-060 | 350      | 1         | 0.115                      | 0.940                       | 1.290              | 1.570        | 1.670              | 1169           | 1740   | 2170                 | 3230   |
| 19012-14-060 | 500      | 1/0       | 0.115                      | 1.020                       | 1.410              | 1.690        | 1.790              | 1390           | 2069   | 2860                 | 4260   |
| 19012-16-060 | 750      | 2/0       | 0.115                      | 1.200                       | 1.600              | 1.890        | 1.990              | 2821           | 4198   | 3940                 | 5860   |
| 19012-17-060 | 1000     | 2/0       | 0.115                      | 1.350                       | 1.810              | 2.100        | 2.200              | 3608           | 5369   | 5090                 | 7570   |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

## Shielded Three Conductor 115 MIL 133% 5kV (aka 100% 8kV)

TR-XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA C68.10 - Shielded Power Cable

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Metallic Shield:** Helically applied 15% gapped copper tape
- Ground (Bonding) Conductor:** Stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), orange
- Options:** Galvanized Steel Interlocked Armour (GSIA)  
Other coloured outer jacket and constructions available upon request  
Multiple helically overlapped copper tape shields available  
EPR insulation  
Connector sized upon request  
Vertical riser teck

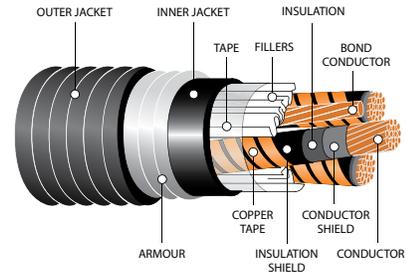
| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19018-03-060 | 4        | 8         | 0.115                      | 0.480                       | 1.370              | 1.650        | 1.750              | 505            | 752    | 1500                 | 2230   |
| 19018-04-060 | 2        | 6         | 0.115                      | 0.540                       | 1.500              | 1.780        | 1.880              | 744            | 1152   | 1930                 | 2870   |
| 19018-05-060 | 1        | 6         | 0.115                      | 0.570                       | 1.570              | 1.860        | 1.960              | 943            | 1403   | 2150                 | 3200   |
| 19018-06-060 | 1/0      | 6         | 0.115                      | 0.610                       | 1.650              | 1.940        | 2.040              | 1151           | 1713   | 2430                 | 3620   |
| 19018-07-060 | 2/0      | 6         | 0.115                      | 0.650                       | 1.800              | 2.090        | 2.190              | 1417           | 2109   | 2890                 | 4300   |
| 19018-08-060 | 3/0      | 4         | 0.115                      | 0.700                       | 1.900              | 2.190        | 2.290              | 1796           | 2673   | 3360                 | 5000   |
| 19018-09-060 | 4/0      | 4         | 0.115                      | 0.750                       | 2.010              | 2.300        | 2.430              | 2215           | 3296   | 3940                 | 5860   |
| 19018-10-060 | 250      | 4         | 0.115                      | 0.800                       | 2.130              | 2.420        | 2.550              | 2583           | 3844   | 4470                 | 6650   |
| 19018-11-060 | 300      | 4         | 0.115                      | 0.920                       | 2.225              | 2.465        | 2.605              | 3064           | 4560   | 5155                 | 7671   |
| 19018-12-060 | 350      | 3         | 0.115                      | 0.940                       | 2.430              | 2.720        | 2.850              | 3572           | 5316   | 5650                 | 8400   |
| 19018-14-060 | 500      | 2         | 0.115                      | 1.020                       | 2.640              | 2.930        | 3.060              | 5004           | 7447   | 7440                 | 11070  |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Shielded Three Conductor 140 MIL 133% 8kV

TR-XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA C68.10 - Shielded Power Cable

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Metallic Shield:** Helically applied 15% gapped copper tape
- Ground (Bonding) Conductor:** Stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Galvanized Steel Interlocked Armour (GSIA)
- Other coloured outer jacket and constructions available upon request
- Multiple helically overlapped copper tape shields available
- EPR insulation
- Connector sized upon request
- Vertical riser teck

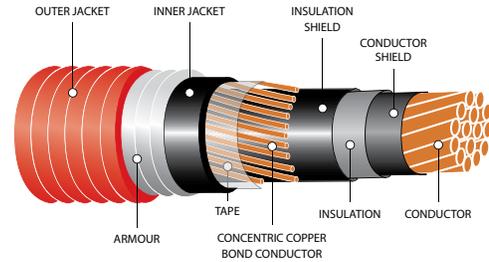
| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19014-01-012 | 6        | 8         | 0.140                      | 0.495                       | 1.405              | 1.645        | 1.755              | 403            | 600    | 1434                 | 2134   |
| 19014-04-012 | 4        | 8         | 0.140                      | 0.535                       | 1.490              | 1.730        | 1.840              | 513            | 763    | 1619                 | 2409   |
| 19014-02-012 | 2        | 6         | 0.140                      | 0.590                       | 1.610              | 1.850        | 1.960              | 783            | 1165   | 2127                 | 3165   |
| 19014-05-012 | 1        | 6         | 0.140                      | 0.621                       | 1.735              | 1.975        | 2.085              | 951            | 1415   | 2482                 | 3694   |
| 19014-06-012 | 1/0      | 6         | 0.140                      | 0.658                       | 1.815              | 2.055        | 2.165              | 1160           | 1726   | 2769                 | 4121   |
| 19014-07-012 | 2/0      | 6         | 0.140                      | 0.702                       | 1.910              | 2.150        | 2.260              | 1426           | 2122   | 3137                 | 4668   |
| 19014-08-012 | 3/0      | 4         | 0.140                      | 0.749                       | 2.010              | 2.250        | 2.390              | 1759           | 2618   | 3679                 | 5475   |
| 19014-09-012 | 4/0      | 4         | 0.140                      | 0.801                       | 2.125              | 2.365        | 2.505              | 2226           | 3313   | 4258                 | 6337   |
| 19014-10-012 | 250      | 4         | 0.140                      | 0.843                       | 2.215              | 2.455        | 2.595              | 2595           | 3862   | 4716                 | 7018   |
| 19014-13-012 | 300      | 4         | 0.140                      | 0.896                       | 2.325              | 2.570        | 2.710              | 3069           | 4567   | 5330                 | 7932   |
| 19014-11-012 | 350      | 3         | 0.140                      | 0.940                       | 2.425              | 2.665        | 2.810              | 3583           | 5332   | 5977                 | 8895   |
| 19014-14-012 | 400      | 3         | 0.140                      | 0.985                       | 2.520              | 2.760        | 2.900              | 4065           | 6049   | 6551                 | 9749   |
| 19014-12-012 | 500      | 2         | 0.140                      | 1.065                       | 2.685              | 2.925        | 3.065              | 4935           | 7344   | 7590                 | 11295  |
| 19014-15-012 | 600      | 2         | 0.140                      | 1.140                       | 2.920              | 3.160        | 3.330              | 6001           | 8390   | 9143                 | 13606  |
| 19014-16-012 | 750      | 2         | 0.140                      | 1.235                       | 3.125              | 3.365        | 3.535              | 7438           | 11069  | 10891                | 16208  |
| 19014-17-012 | 1000     | 1         | 0.140                      | 1.385                       | 3.455              | 3.695        | 3.865              | 9868           | 14685  | 13765                | 20485  |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Shielded Single Conductor 220 MIL 133% 15kV

TR-XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA C68.10 - Shielded Power Cable

\*Refer to CE Code for details



### CONSTRUCTION

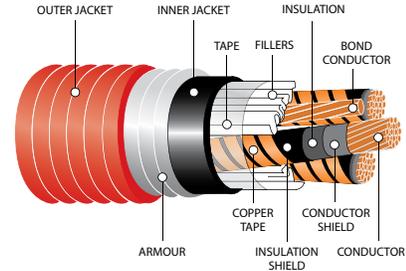
- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Ground (Bonding/Shield) Conductor:** Stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), red
- Options:** Other coloured outer jacket and constructions available upon request
  - EPR insulation
  - Connector sized upon request
  - Copper tape shield - no ground / bond wire

| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19020-04-032 | 2        | 6         | 0.220                      | 0.760                       | 1.090              | 1.340        | 1.430              | 286            | 426    | 1028                 | 1530   |
| 19020-05-032 | 1        | 4         | 0.220                      | 0.790                       | 1.120              | 1.370        | 1.460              | 391            | 582    | 1170                 | 1740   |
| 19020-06-032 | 1/0      | 4         | 0.220                      | 0.830                       | 1.160              | 1.410        | 1.500              | 459            | 683    | 1270                 | 1890   |
| 19020-07-032 | 2/0      | 4         | 0.220                      | 0.860                       | 1.200              | 1.450        | 1.540              | 546            | 813    | 1390                 | 2060   |
| 19020-08-032 | 3/0      | 3         | 0.220                      | 0.910                       | 1.250              | 1.500        | 1.590              | 693            | 1031   | 1570                 | 2340   |
| 19020-09-032 | 4/0      | 3         | 0.220                      | 0.960                       | 1.300              | 1.580        | 1.680              | 830            | 1235   | 1780                 | 2650   |
| 19020-10-032 | 250      | 2         | 0.220                      | 1.020                       | 1.380              | 1.660        | 1.760              | 989            | 1472   | 2010                 | 2990   |
| 19020-11-032 | 350      | 1         | 0.220                      | 1.120                       | 1.500              | 1.780        | 1.880              | 1228           | 1827   | 2490                 | 3700   |
| 19020-12-032 | 500      | 1/0       | 0.220                      | 1.240                       | 1.650              | 1.940        | 2.040              | 1896           | 2821   | 3220                 | 4790   |
| 19022-12-032 | 750      | 2/0       | 0.220                      | 1.420                       | 1.890              | 2.180        | 2.280              | 2766           | 4116   | 4390                 | 6530   |
| 19022-25-032 | 1000     | 2/0       | 0.220                      | 1.570                       | 2.050              | 2.340        | 2.480              | 3552           | 5286   | 5550                 | 8260   |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

## Shielded Three Conductor 220 MIL 133% 15kV

TR-XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA C68.10 - Shielded Power Cable

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Metallic Shield:** Helically applied 15% gapped copper tape
- Ground (Bonding) Conductor:** Stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), red
- Options:** Galvanized Steel Interlocked Armour (GSIA)
- Other coloured outer jacket and constructions available upon request
- Multiple helically overlapped copper tape shields available
- EPR insulation
- Connector sized upon request
- Vertical riser teck

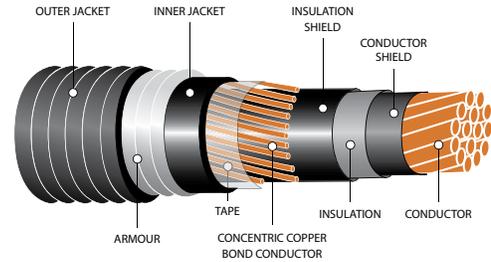
| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19022-01-032 | 2        | 6         | 0.220                      | 0.760                       | 2.020              | 2.310        | 2.430              | 793            | 1180   | 2665                 | 3966   |
| 19022-02-032 | 1        | 6         | 0.220                      | 0.790                       | 2.100              | 2.370        | 2.490              | 964            | 1435   | 3089                 | 4597   |
| 19022-03-032 | 1/0      | 6         | 0.220                      | 0.830                       | 2.170              | 2.460        | 2.580              | 1175           | 1749   | 3300                 | 4900   |
| 19022-04-032 | 2/0      | 6         | 0.220                      | 0.860                       | 2.260              | 2.550        | 2.670              | 1438           | 2140   | 3650                 | 5430   |
| 19022-05-032 | 3/0      | 4         | 0.220                      | 0.910                       | 2.360              | 2.650        | 2.770              | 1821           | 2710   | 4140                 | 6160   |
| 19022-06-032 | 4/0      | 4         | 0.220                      | 0.960                       | 2.470              | 2.760        | 2.880              | 2248           | 3345   | 4680                 | 6960   |
| 19022-07-032 | 250      | 4         | 0.220                      | 1.020                       | 2.590              | 2.880        | 3.000              | 2607           | 3880   | 5275                 | 7850   |
| 19022-08-032 | 350      | 3         | 0.220                      | 1.120                       | 2.900              | 3.190        | 3.330              | 3597           | 5353   | 6842                 | 10181  |
| 19022-11-032 | 500      | 3         | 0.220                      | 1.240                       | 3.160              | 3.450        | 3.590              | 5022           | 7474   | 8513                 | 12668  |
| 19022-16-032 | 750      | 2         | 0.220                      | 1.420                       | 3.570              | 3.850        | 4.000              | 7452           | 11090  | 11507                | 17122  |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Shielded Single Conductor 320 MIL 133% 25kV

TR-XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA C68.10 - Shielded Power Cable

\*Refer to CE Code for details



### CONSTRUCTION

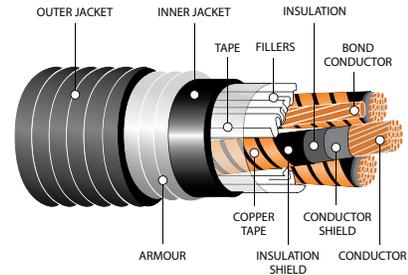
- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Ground (Bonding/Shield) Conductor:** Stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Other coloured outer jacket and constructions available upon request
  - EPR insulation
  - Connector sized upon request
  - Copper tape shield - no ground / bond wire

| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19023-02-012 | 1        | 4         | 0.320                      | 0.990                       | 1.365              | 1.605        | 1.715              | 385            | 573    | 1386                 | 2063   |
| 19023-03-012 | 1/0      | 4         | 0.320                      | 1.026                       | 1.415              | 1.655        | 1.765              | 453            | 674    | 1568                 | 2333   |
| 19023-04-012 | 2/0      | 4         | 0.320                      | 1.066                       | 1.455              | 1.695        | 1.805              | 538            | 801    | 1634                 | 2432   |
| 19023-05-012 | 3/0      | 3         | 0.320                      | 1.113                       | 1.490              | 1.730        | 1.840              | 685            | 1019   | 1970                 | 2932   |
| 19023-06-012 | 4/0      | 3         | 0.320                      | 1.185                       | 1.560              | 1.800        | 1.910              | 818            | 1217   | 2136                 | 3179   |
| 19023-08-012 | 250      | 2         | 0.320                      | 1.218                       | 1.640              | 1.880        | 1.990              | 974            | 1449   | 2366                 | 3521   |
| 19023-10-012 | 350      | 1         | 0.320                      | 1.315                       | 1.800              | 2.040        | 2.150              | 1343           | 1999   | 2966                 | 4414   |
| 19023-12-012 | 500      | 1/0       | 0.320                      | 1.454                       | 1.940              | 2.180        | 2.290              | 1866           | 2777   | 3654                 | 5438   |
| 19023-14-012 | 750      | 2/0       | 0.320                      | 1.620                       | 2.105              | 2.350        | 2.485              | 2642           | 3932   | 4677                 | 6960   |
| 19023-15-012 | 1000     | 3/0       | 0.320                      | 1.770                       | 2.235              | 2.475        | 2.615              | 3491           | 5195   | 5665                 | 8430   |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

## Shielded Three Conductor 320 MIL 133% 25kV

TR-XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA C68.10 - Shielded Power Cable

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
  - Conductor Shield:** Extruded thermoset semi-conducting shield
  - Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
  - Insulation Shield:** Extruded thermosetting semi-conducting shield
  - Metallic Shield:** Helically applied 15% gapped copper tape
  - Ground (Bonding) Conductor:** Stranded bare copper conductor
  - Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
  - Armour:** Aluminum Interlocked Armour (AIA)
  - Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
  - Options:** Galvanized Steel Interlocked Armour (GSIA)
- Other coloured outer jacket and constructions available upon request  
Multiple helically overlapped copper tape shields available  
EPR insulation  
Connector sized upon request  
Vertical riser teck

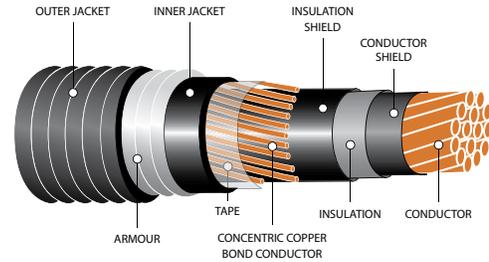
| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19026-02-012 | 1        | 6         | 0.320                      | 0.990                       | 2.530              | 2.820        | 2.940              | 985            | 1466   | 3690                 | 5490   |
| 19026-03-012 | 1/0      | 6         | 0.320                      | 1.030                       | 2.650              | 2.940        | 3.060              | 1193           | 1775   | 4110                 | 6120   |
| 19026-06-012 | 2/0      | 6         | 0.320                      | 1.070                       | 2.740              | 3.030        | 3.150              | 1460           | 2173   | 4490                 | 6680   |
| 19026-04-012 | 3/0      | 4         | 0.320                      | 1.120                       | 2.910              | 3.190        | 3.330              | 1842           | 2741   | 5270                 | 7840   |
| 19026-05-012 | 4/0      | 4         | 0.320                      | 1.170                       | 3.020              | 3.310        | 3.440              | 2261           | 3365   | 5840                 | 8700   |
| 19026-08-012 | 250      | 4         | 0.320                      | 1.220                       | 3.150              | 3.430        | 3.580              | 2629           | 3912   | 6440                 | 9590   |
| 19026-11-012 | 350      | 3         | 0.320                      | 1.370                       | 3.440              | 3.730        | 3.880              | 3615           | 5380   | 7720                 | 11490  |
| 19026-12-012 | 500      | 2         | 0.320                      | 1.454                       | 3.625              | 3.865        | 4.035              | 5096           | 7584   | 9943                 | 14797  |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Shielded Single Conductor 345 MIL 133% 28kV

TR-XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA C68.10 - Shielded Power Cable

\*Refer to CE Code for details



### CONSTRUCTION

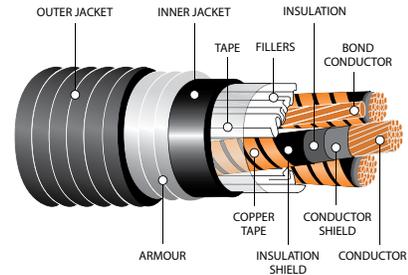
- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Ground (Bonding/Shield) Conductor:** Stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Other coloured outer jacket and constructions available upon request
  - EPR insulation
  - Connector sized upon request
  - Copper tape shield - no ground / bond wire

| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19031-02-012 | 1        | 4         | 0.345                      | 1.035                       | 1.385              | 1.625        | 1.735              | 387            | 576    | 2477                 | 3686   |
| 19031-03-012 | 1/0      | 4         | 0.345                      | 1.076                       | 1.465              | 1.705        | 1.815              | 453            | 674    | 1565                 | 2329   |
| 19031-04-012 | 2/0      | 4         | 0.345                      | 1.116                       | 1.505              | 1.745        | 1.855              | 538            | 801    | 1841                 | 2740   |
| 19031-05-012 | 3/0      | 3         | 0.345                      | 1.160                       | 1.525              | 1.765        | 1.875              | 678            | 1009   | 1982                 | 2950   |
| 19031-06-012 | 4/0      | 3         | 0.345                      | 1.215                       | 1.605              | 1.845        | 1.955              | 818            | 1217   | 2204                 | 3280   |
| 19031-08-012 | 250      | 2         | 0.345                      | 1.255                       | 1.645              | 1.885        | 1.995              | 975            | 1451   | 2397                 | 3567   |
| 19031-10-012 | 350      | 1         | 0.345                      | 1.365                       | 1.850              | 2.090        | 2.200              | 1343           | 1999   | 3058                 | 4551   |
| 19031-12-012 | 500      | 1/0       | 0.345                      | 1.506                       | 1.990              | 2.230        | 2.340              | 1868           | 2780   | 3729                 | 5549   |
| 19031-14-012 | 750      | 2/0       | 0.345                      | 1.620                       | 2.105              | 2.345        | 2.485              | 2723           | 4052   | 4758                 | 7081   |
| 19031-15-012 | 1000     | 2/0       | 0.345                      | 1.810                       | 2.280              | 2.520        | 2.660              | 3491           | 5195   | 5740                 | 8542   |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

## Shielded Three Conductor 345 MIL 133% 28kV

TR-XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA C68.10 - Shielded Power Cable

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
  - Conductor Shield:** Extruded thermoset semi-conducting shield
  - Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
  - Insulation Shield:** Extruded thermosetting semi-conducting shield
  - Metallic Shield:** Helically applied 15% gapped copper tape
  - Ground (Bonding) Conductor:** Stranded bare copper conductor
  - Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
  - Armour:** Aluminum Interlocked Armour (AIA)
  - Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
  - Options:** Galvanized Steel Interlocked Armour (GSIA)
- Other coloured outer jacket and constructions available upon request  
Multiple helically overlapped copper tape shields available  
EPR insulation  
Connector sized upon request  
Vertical riser teck

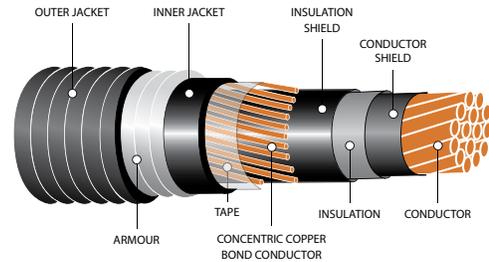
| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19027-01-013 | 1        | 6         | 0.345                      | 1.040                       | 2.680              | 2.970        | 3.100              | 988            | 1470   | 3980                 | 5930   |
| 19027-02-013 | 1/0      | 6         | 0.345                      | 1.080                       | 2.760              | 3.050        | 3.180              | 1200           | 1786   | 4360                 | 6490   |
| 19027-03-013 | 2/0      | 6         | 0.345                      | 1.120                       | 2.920              | 3.210        | 3.360              | 1466           | 2182   | 4950                 | 7370   |
| 19027-04-013 | 3/0      | 4         | 0.345                      | 1.170                       | 3.020              | 3.310        | 3.460              | 1848           | 2750   | 5490                 | 8160   |
| 19027-05-013 | 4/0      | 4         | 0.345                      | 1.220                       | 3.140              | 3.430        | 3.580              | 2264           | 3369   | 6090                 | 9060   |
| 19027-06-013 | 250      | 4         | 0.345                      | 1.270                       | 3.260              | 3.550        | 3.700              | 2635           | 3921   | 6660                 | 9910   |
| 19027-08-013 | 350      | 3         | 0.345                      | 1.420                       | 3.560              | 3.850        | 4.000              | 3621           | 5389   | 7960                 | 11840  |
| 19027-10-013 | 500      | 2         | 0.345                      | 1.506                       | 3.740              | 3.900        | 4.150              | 2893           | 3980   | 8008                 | 11917  |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## Shielded Single Conductor 345 MIL 100% 35kV

TR-XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA C68.10 - Shielded Power Cable

\*Refer to CE Code for details



### CONSTRUCTION

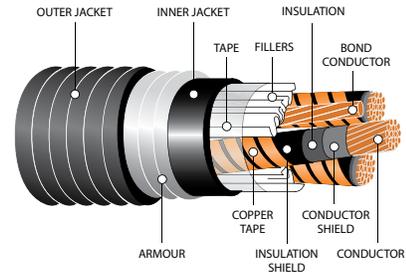
- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Ground (Bonding/Shield) Conductor:** Stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Other coloured outer jacket and constructions available upon request
  - EPR insulation
  - Connector sized upon request
  - Copper tape shield - no ground / bond wire

| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19030-02-010 | 1/0      | 4         | 0.345                      | 1.076                       | 1.465              | 1.705        | 1.815              | 453            | 674    | 1565                 | 2329   |
| 19030-03-010 | 2/0      | 4         | 0.345                      | 1.116                       | 1.505              | 1.745        | 1.885              | 538            | 801    | 1841                 | 2740   |
| 19030-04-010 | 3/0      | 3         | 0.345                      | 1.160                       | 1.525              | 1.765        | 1.875              | 678            | 1009   | 1982                 | 2950   |
| 19030-05-010 | 4/0      | 3         | 0.345                      | 1.215                       | 1.605              | 1.845        | 1.955              | 818            | 1217   | 2204                 | 3280   |
| 19030-06-010 | 250      | 2         | 0.345                      | 1.255                       | 1.645              | 1.885        | 1.995              | 975            | 1451   | 2397                 | 3567   |
| 19030-08-010 | 350      | 1         | 0.345                      | 1.365                       | 1.850              | 2.090        | 2.200              | 1343           | 1999   | 3058                 | 4551   |
| 19030-10-010 | 500      | 1/0       | 0.345                      | 1.506                       | 1.990              | 2.230        | 2.340              | 1868           | 2780   | 3729                 | 5549   |
| 19030-12-010 | 750      | 2/0       | 0.345                      | 1.620                       | 2.105              | 2.345        | 2.485              | 2723           | 4052   | 4758                 | 7081   |
| 19030-15-010 | 1000     | 2/0       | 0.345                      | 1.810                       | 2.280              | 2.520        | 2.660              | 3491           | 5195   | 5740                 | 8542   |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

## Shielded Three Conductor 345 MIL 100% 35kV

TR-XLPE/PVC/AIA/PVC



### SPECIFICATIONS

- CSA - C22.2 No. 131 Teck
- CSA FT1 - FT4 Flame Test
- CSA - C22.2 No. 174 - Hazardous Location (HL)
- -40°C Cold Bend and -40°C Cold Impact
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- CSA C68.10 - Shielded Power Cable

\*Refer to CE Code for details



### CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Metallic Shield:** Helically applied 15% gapped copper tape
- Ground (Bonding) Conductor:** Stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked Armour (AIA)
- Outer Jacket:** Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black
- Options:** Galvanized Steel Interlocked Armour (GSIA)  
Other coloured outer jacket and constructions available upon request  
Multiple helically overlapped copper tape shields available  
EPR insulation  
Connector sized upon request  
Vertical riser teck

| Part Number  | AWG Size |           | Insulation Thickness (in.) | Approximate Diameter (Over) |                    |              |                    | Copper Content |        | Net Weight w/ Armour |        |
|--------------|----------|-----------|----------------------------|-----------------------------|--------------------|--------------|--------------------|----------------|--------|----------------------|--------|
|              | Cond.    | Bond Wire |                            | Insul. (in.)                | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT        | KG/ KM | LB/ MFT              | KG/ KM |
| 19028-02-010 | 1/0      | 6         | 0.345                      | 1.080                       | 2.760              | 3.050        | 3.180              | 1200           | 1786   | 4360                 | 6488   |
| 19028-03-010 | 2/0      | 6         | 0.345                      | 1.120                       | 2.920              | 3.210        | 3.360              | 1466           | 2182   | 4950                 | 7366   |
| 19028-04-010 | 3/0      | 4         | 0.345                      | 1.170                       | 3.020              | 3.310        | 3.460              | 1848           | 2750   | 5490                 | 8170   |
| 19028-05-010 | 4/0      | 4         | 0.345                      | 1.220                       | 3.140              | 3.430        | 3.580              | 2264           | 3369   | 6090                 | 9063   |
| 19028-06-010 | 250      | 4         | 0.345                      | 1.270                       | 3.260              | 3.550        | 3.700              | 2635           | 3921   | 6660                 | 9911   |
| 19028-08-010 | 350      | 3         | 0.345                      | 1.420                       | 3.560              | 3.850        | 4.000              | 3621           | 5389   | 7960                 | 11846  |
| 19028-11-010 | 500      | 3         | 0.345                      | 1.510                       | 3.740              | 3.980        | 4.250              | 2893           | 4305   | 10133                | 15083  |

Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

\* See pages 30 & 31 for corresponding connector.

## AWG to Metric Conversion Chart

| AWG | mm <sup>2</sup> | AWG | mm <sup>2</sup> | AWG | mm <sup>2</sup> | AWG  | mm <sup>2</sup> |
|-----|-----------------|-----|-----------------|-----|-----------------|------|-----------------|
| 28  | 0.08            | 14  | 2.08            | 2   | 33.63           | 300  | 152.01          |
| 26  | 0.13            | 12  | 3.31            | 1   | 42.41           | 350  | 177.35          |
| 24  | 0.20            | 10  | 5.26            | 1/0 | 53.51           | 400  | 202.68          |
| 22  | 0.32            | 8   | 8.37            | 2/0 | 67.44           | 500  | 253.35          |
| 20  | 0.52            | 6   | 13.30           | 3/0 | 85.03           | 600  | 304.02          |
| 18  | 0.82            | 4   | 21.15           | 4/0 | 107.22          | 750  | 380.03          |
| 16  | 1.31            | 3   | 26.66           | 250 | 126.68          | 1000 | 506.71          |

## Length Conversions

| From        | To     | Multiply By | From   | To          | Multiply By |
|-------------|--------|-------------|--------|-------------|-------------|
| Kilometers  | Miles  | 0.06214     | Miles  | Kilometers  | 1.6093      |
| Meters      | Feet   | 3.2808      | Yards  | Meters      | 0.9144      |
| Meters      | Inches | 39.3701     | Feet   | Meters      | 0.3048      |
| Meters      | Yards  | 1.0936      | Feet   | Centimeters | 30.48       |
| Centimeters | Inches | 0.3937      | Inches | Meters      | 0.0254      |
| Centimeters | Feet   | 0.03281     | Inches | Centimeters | 2.54        |
| Millimeters | Inches | 0.03937     | Inches | Millimeters | 25.4        |
| Millimeters | Mils   | 39.3701     | Inches | Mils        | 1000.0      |
| Mils        | Inches | 0.001       | Mils   | Millimeters | 0.0254      |

## Mass Conversions

| From      | To         | Multiply By | From       | To        | Multiply By |
|-----------|------------|-------------|------------|-----------|-------------|
| Kilograms | Pounds     | 2.205       | Pounds     | Kilograms | 0.4535      |
| Kilograms | Short Tons | 0.0011      | Short Tons | Kilograms | 907.1848    |
| Grams     | Grains     | 15.4323     | Grains     | Grams     | 0.0647      |
| Grams     | Ounces     | 0.0352      | Ounces     | Grams     | 28.3495     |

## Length & Mass Conversions

| From    | To      | Multiply By |
|---------|---------|-------------|
| KG/KM   | LBS/MFT | 0.6719      |
| LBS/MFT | KG/KM   | 1.488       |

## Temperature Conversions

| From       | To         | Multiply By     |
|------------|------------|-----------------|
| Celsius    | Fahrenheit | (°C x 9/5) + 32 |
| Fahrenheit | Celsius    | (°F - 32) x 5/9 |

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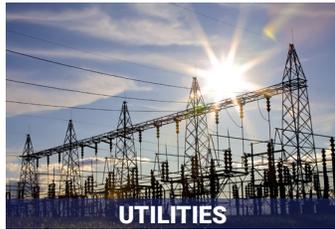
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- AC90 Armoured Cable
- Fire Alarm Cable
- ACWU Armoured Cable
- NMD90/NMWU90 Cable
- Solid/Stranded Bare Copper
- SIMpull Solutions®
- RW90/RWU 90 CU / AL
- T90 CU/TW75/TWH/TWU
- LVT
- Grounding Cable
- Pump Cable
- Copperweld Cable

## Control Cables

- Multi-conductor
  - Armoured/Unarmoured
- Portable Control Cable
- Shielded Control Cable
- Custom Bundling/Armouring

## Communication

- Computer Cable
- Inside/Outside Plant Wire
- Telephone Cable
- Plenum Cable
- Direct Burial

## Data Cables

- Category 5E, 6, 6A, 7 Rated Cable
- Co-Axial/Twin-Axial Cable
- Ethernet Cable
- Network Cable
- Patch Cords (Copper/Fiber Optic)
- Armoured Data Cable

## Electronic Cables

- Armoured Cable
- Audio/Visual Cable
- Broadcast Cable
- Coaxial/Twin-Axial Cable
- Low Capacitance Wire
- Plenum Wire
- Precision Video Wire
- Industrial Automation Cable
- Belden® Classics & NewGen

## Fiber Optic Cables

- SM/MM
- Loose Tube, Tight Buffer
- Indoor/Outdoor/Riser/ADSS
- Armoured/Non-Armoured
- Hybrid Fiber
- Specialty XPRLTM/RLTM

## Instrumentation

- Armoured/Unarmoured
  - Aluminum/Interlocked Steel
- Multi-conductor/Pairs/Triads
- Shielded/Unshielded
- Thermocouple Wire

## Marine Cables

- Boat Cable
- Shipboard Cable
- Offshore Rig/Marine Cable

## Mining Cables

- Blasting Wire
- Mine Power Feeder Cable
- Portable Power Cable
  - Type W, G, GGC, SHDGC (2KV to 35 KV)
- Trailing Cable
- Cable Assemblies
- Vertical Riser Cable
- Reeling Cable
- DLO (Diesel Locomotive Cable)

## Portable Cords

- High Temperature Cable
- Ultraflex™ Low Temperature Cord
- Ultraflex™ Extension Cord
- Retractable Cord
- Type: SJOOW, SOOW, SJTOW, STOW
- Welding Cable
- Stage Lighting
- Landscape Lighting
- Multi-conductor
- Jumper Cable

## Power Cables

- ACSR/AAC Linewire
- High Voltage Power Cable (69-300kv)
- TECK 90 HL Cable (600V-35KV)
- Overhead Service (NS75 / NS90)
  - Duplex, Triplex, Quadruplex
- Underground Service
  - USE1, USEB
- Variable Frequency Drive (VFD) Cable

- Tray Cable (5KV-35KV)
  - Power Cable (NFPA. 130)
- Underground Distribution
- Utility Hydro Cable
- Airguard™ Cable

## Specialty Products & Cords

- 2-Hour Fire Rated VITALink® Cable
- 2-Hour Fire Rated Duralife® Cable
- Coil Lead Wire
- European Cables (CE & VDE approved)
- Extra Flexible Portable Cable
- Heat Trace Cables & Accessories
- Low Smoke Zero Halogen Cable
- Parallel Conductor Cord
- RPVU90 Solar Cable
- SIS Switchboard Wire
- Small Diameter Flexible Control (SDN)
- Automotive Cable
- Battery Cables
- Guy Wire & Strand
- Mil Spec Hookup Wire
- Pendant Cables/Festoon
- Teflon® Insulated Wire
- TEW Equipment Wire
- Tracer Wire
- Trailer Cable
- TR64

## Transportation

- Catenary Cable
- Messenger Cable
- Signal Cable
- Track Wire
- Traction Power Cable
- Traffic Signal Cable CLMTO/IMSA

## Additional Services & Accessories

### Tools & Equipment

- Material Handling & Storage
- Cable Pulling & Fishing

### Power Management

- Extension Cords
- Temporary Power Distribution

### Lighting

- Area Lights
- String Lights
- Temporary Overhead Lighting

### Connectors

- Armoured Cable Connectors
- Explosion-proof Connectors
- Strain Reliefs Metal & Nylon
- Tray Cable Connectors

### Accessories

- Hardware, Lugs, Cable Ties
- 3M Accessories
  - Cold Shrink Splices and Terminations
  - Heat Shrink Splices and Terminations
  - Full Line of Accessories Available
- High Voltage Termination Kit
- Split Loom

### Value Added Services

- Custom-Built Cables
- Cable Management Program
- Specialized Technical Assistance
- 24/7 Emergency Shipping Service
- International Export Services
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- Paralleling/Lagging/Tagging
- Bundling/Armouring
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