

The background of the image is a close-up photograph of several industrial cables. On the left, a cable with a red outer jacket is shown, with a section of the jacket removed to reveal a copper-colored braided shield. A blue and white striped braided shield is also visible. To the right, another red-cabled cable is partially visible. The overall lighting is bright, highlighting the textures of the different materials.

TEXCAN

A Sonepar Company

TECK CABLE CATALOGUE

Wire & Cable Specialists

Our Commitment

Our commitment to our customers is simple - **we deliver even when others can't.**

As one of Canada's largest wire, cable and data communication distributors for over 40 years, Texcan supplies solutions for automotive, power distribution, control, industrial automation, commercial, residential, premise wiring and networking applications. Our commitment to superior customer service is the number one reason customers keep coming back.

Our parent company, Sonepar, is a major global electrical distributor, with divisions in 44 countries, 5 continents, over 46,000 associates and 2,800 branches.

Dedicated to Our Customers

Texcan understands that business is done between people. We consider a job finished when the customer is completely satisfied. This approach highlights our commitment to quality and our high level of customer service. This winning combination focuses on a personalized approach to our customers.

Product Expertise and Specialized Services

Texcan has five stocking locations in Western Canada. With over 200 employees, Texcan is able to provide product application expertise,

specialized technical assistance and superior sales service to meet our customers' needs.

We constantly strive to bring value to our customers. We provide:

- An extensive range of stock wire products
- Computerized order processing
- Regionalized bar coded warehousing
- Competitive pricing
- Inventory tracking technology
- JIT inventory

Strategic Partnerships

Texcan has worked hard to develop partnerships with customers and vendors and continues to be committed to developing such strategic alliances. These partnerships provide Texcan with a successful and proven record with some of the largest customers in the pulp and paper, mining, petrochemical, transportation, and communication industries.

Thanks to our relationships with key vendors such as: Prysmian Group, Southwire, Belden, Nexans, Northern Cables, Deca Cables, Marmon Electrical, CMP, and PTI Cables Inc., Texcan is able to offer its customers a diverse selection of quality products. We are confident we can continue to be your successful partner now and in the future.

Over 40 Years of Service



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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 (C68.10 pending)
- 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):
 - 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.

Conductors – Class B compact or compressed concentric stranded soft drawn bare copper per ASTM, conforming to CSA C68.3.

Conductor Shielding – A thermoset semi-conducting shield is extruded over the conductor on all cables rated over 1kV. Minimum thickness in accordance with CSA C68.3, Table 2.

Insulation – Cross-linked polyethylene (XLPE), meeting the requirements of CSA RW90 for cables rated up to and including 1kV. For cables rated 5kV and above, the TR-XLPE insulation meets the requirements of CSA Standard C68.3 M92.

Metallic Shield – A 15% gapped copper tape shield meeting the requirements of CSA C68.3 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, in accordance with CSA C68.3 and CSA C22.2 No. 131, is included in the assembled cable for multiconductor 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.

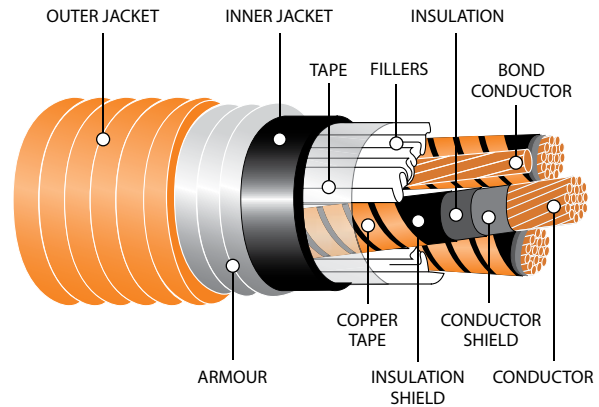
Inner Jacket – Flame-retardant and moisture resistant PVC Jacket is applied over the core in accordance with CSA C22.2 No. 131.

Armour – An interlocking aluminum armour is applied over the inner jacket meeting the requirements of CSA C22.2 No. 131, Clause 5.11.

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. Minimum thickness in accordance with CSA 68.3, Table 21. 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



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:

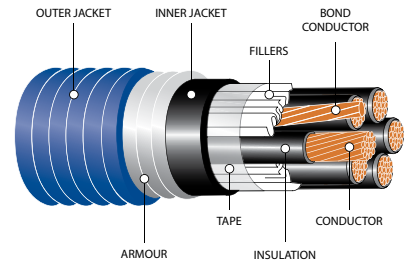
- Conductor #1 is white, the remaining conductors are black and numbered

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)
- 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

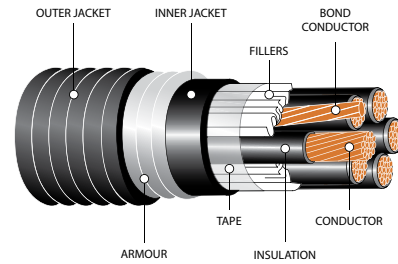
16 AWG

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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- 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

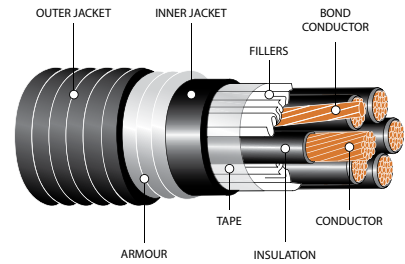
14 AWG

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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

*Refer to CE Code for details



CONSTRUCTION

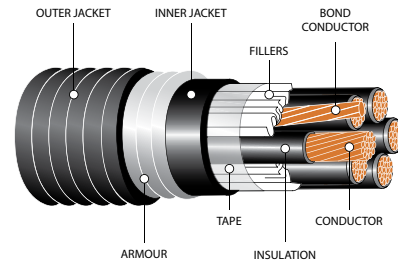
- Conductor:** Bare copper Class B compressed stranded
- Insulation:** Cross-Linked Polyethylene (XLPE) Type RW90
- Ground (Bonding) Conductor:** Uninsulated stranded bare copper conductor
- Inner Jacket:** Flame-retardant and moisture resistant Polyvinyl Chloride (PVC)
- Armour:** Aluminum Interlocked 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

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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- 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

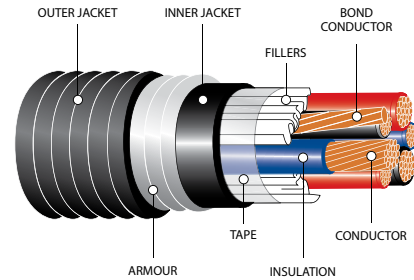
10 AWG													
Part Number	No. of Conductors	AWG Size		Insulation Thickness (in.)	Approximate Diameter (Over)				Copper Content		Net Weight w/ Armour		
		Cond.	Bond Wire		Insul. (in.)	Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM	
05003-01-010	2	10	12	0.030	0.180	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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- 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

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

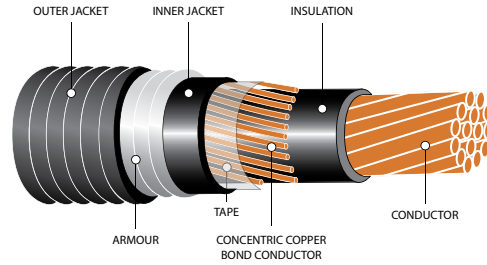
Part Number	AWG Size			Insulation Thickness (in.)	Approximate Diameter (Over)			Copper Content		Net Weight w/ Armour	
	Control	Power	Bond Wire		Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM
05031-02-010	12	10	12	0.030	0.665	0.865	0.979	180.2	268.0	-431	641
05031-03-010	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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- 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: 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

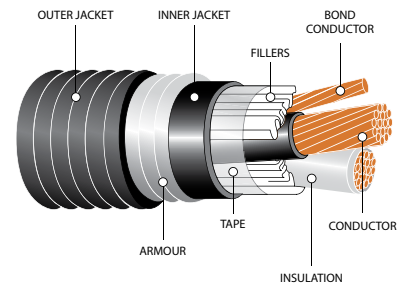
Part Number	AWG Size		Insulation Thickness (in.)	Approximate Diameter (Over)				Copper Content		Net Weight w/ Armour	
	Cond.	Bond Wire		Insul. (in.)	Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM
05018-13-010	4	6	0.060	0.350	0.490	0.730	0.810	211	314	410	610
05018-17-010	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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- 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

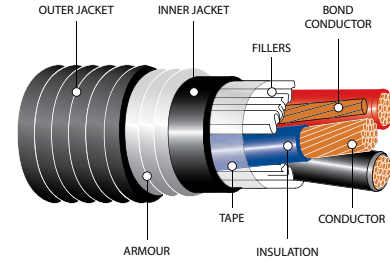
Part Number	AWG Size		Insulation Thickness (in.)	Approximate Diameter (Over)				Copper Content		Net Weight w/ Armour	
	Cond.	Bond Wire		Insul. (in.)	Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM
05015-01-010	14	14	0.045	0.170	0.430	0.650	0.730	39	58	219	326
05016-01-010	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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- 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

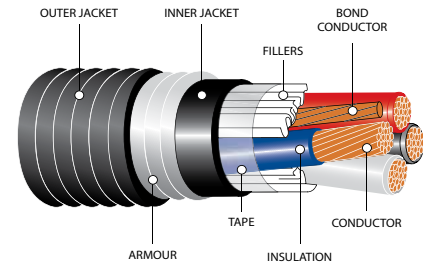
Part Number	AWG Size		Insulation Thickness (in.)	Approximate Diameter (Over)				Copper Content		Net Weight w/ Armour	
	Cond.	Bond Wire		Insul. (in.)	Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM
05015-02-010	14	14	0.045	0.170	0.470	0.670	0.760	52	77	261	388
05016-02-010	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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- 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

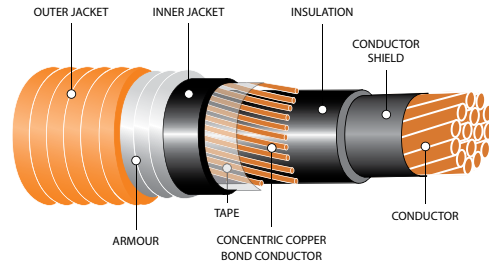
Part Number	AWG Size		Insulation Thickness (in.)	Approximate Diameter (Over)				Copper Content		Net Weight w/ Armour	
	Cond.	Bond Wire		Insul. (in.)	Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM
05015-03-010	14	14	0.045	0.170	0.500	0.720	0.800	68	101	290	430
05016-03-010	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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- 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: Tree-Retardant Cross-Linked Polyethylene (TR-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

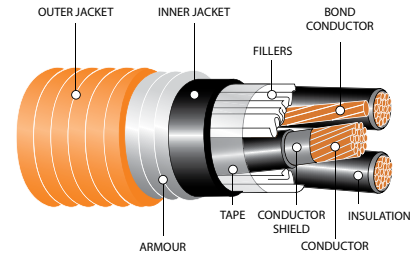
Options: Other coloured outer jacket and constructions available upon request

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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- 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) 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), orange
- Options:** Galvanized Steel Interlocked Armour (GSIA)
Other coloured outer jacket and constructions available upon request

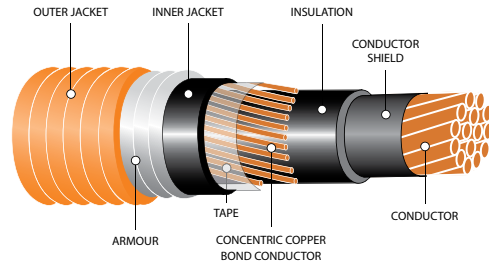
Part Number	AWG Size		Insulation Thickness (in.)	Approximate Diameter (Over)				Copper Content		Net Weight w/ Armour	
	Cond.	Bond Wire		Insul. (in.)	Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM
19003-02-060	6	8	0.090	0.390	1.050	1.270	1.370	301	448	927	1380
19003-03-060	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 90 MIL 100% 5kV

TR-XLPE/PVC/AIA/PVC



SPECIFICATIONS

- CSA FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

*Refer to CE Code for details



CONSTRUCTION

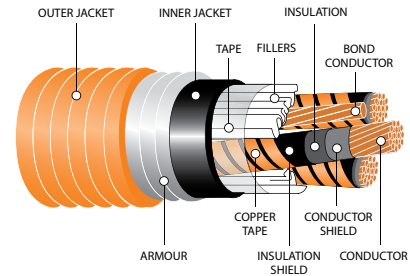
- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Ground (Bonding/Shield) Conductor:** 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

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
19002-02-060	6	8	0.090	0.390	0.680	0.900	0.990	144	214	510	770
19002-03-060	4	6	0.090	0.430	0.720	0.940	1.030	224	333	590	880
19002-04-060	2	6	0.090	0.490	0.780	1.030	1.120	302	449	750	1120
19002-05-060	1	4	0.090	0.520	0.810	1.000	1.150	406	604	870	1300
19002-06-060	1/0	4	0.090	0.560	0.880	1.130	1.220	475	707	1010	1500
19002-07-060	2/0	4	0.090	0.600	0.920	1.170	1.260	562	836	1120	1670
19002-08-060	3/0	3	0.090	0.640	0.970	1.220	1.310	709	1055	1300	1930
19002-09-060	4/0	3	0.090	0.700	1.020	1.270	1.360	843	1255	1470	2180
19002-10-060	250	2	0.090	0.750	1.100	1.380	1.480	1013	1508	1680	2500
19002-12-060	350	1	0.090	0.850	1.240	1.520	1.620	1389	2067	2120	3150
19002-14-060	500	1/0	0.090	0.970	1.340	1.620	1.720	1928	2869	2770	4130
19002-16-060	750	2/0	0.090	1.150	1.540	1.830	1.930	2820	4197	3780	5760
19002-17-060	1000	2/0	0.090	1.300	1.760	2.050	2.150	3607	5368	5010	7460

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

Shielded Three Conductor 90 MIL 100% 5kV

TR-XLPE/PVC/AIA/PVC



SPECIFICATIONS

- CSA FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- 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:** 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
Helically applied 20% overlapped copper tape shield

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
19008-02-060	6	8	0.090	0.900	1.170	1.450	1.540	349	519	1120	1670
19008-03-060	4	8	0.090	0.430	1.260	1.540	1.630	503	749	1350	2010
19008-04-060	2	6	0.090	0.490	1.390	1.670	1.770	771	1147	1740	2590
19008-05-060	1	6	0.090	0.520	1.450	1.730	1.830	939	1397	1960	2920
19008-06-060	1/0	6	0.090	0.560	1.530	1.810	1.910	1148	1708	2290	3410
19008-07-060	2/0	6	0.090	0.600	1.620	1.910	2.010	141	2104	2620	3900
19008-08-060	3/0	4	0.090	0.640	1.780	2.070	2.170	1798	2668	3210	4780
19008-09-060	4/0	4	0.090	0.700	1.900	2.190	2.290	2212	3292	3720	5530
19008-10-060	250	4	0.090	0.750	2.010	2.300	2.430	2583	3844	4300	6400
19008-11-060	300	4	0.090	0.890	2.115	2.355	2.495	3058	4551	4980	7411
19008-12-060	350	3	0.090	0.906	2.210	2.450	2.590	3569	5311	5638	8390
19008-13-060	400	3	0.090	0.960	2.315	2.555	2.695	4054	6033	6202	9230
19008-14-060	500	2	0.090	0.970	2.480	2.770	2.900	4998	7438	7130	10610
19008-16-060	600	2	0.090	1.115	2.645	2.885	3.025	5991	8916	8471	12606
19008-20-060	750	2	0.090	1.150	2.980	3.270	3.420	7440	11072	10330	15370
19008-25-060	1000	1	0.090	1.300	3.310	3.600	3.750	9860	14674	13080	19460

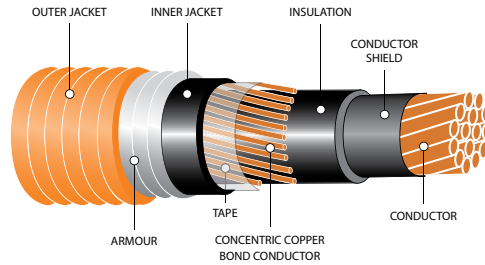
Note: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

* See pages 30 & 31 for corresponding connector.

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

(Per AEIC)

TR-XLPE/PVC/AIA/PVC



SPECIFICATIONS

- CSA FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- 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:** 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

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)

(Per AEIC)

TR-XLPE/PVC/AIA/PVC

SPECIFICATIONS

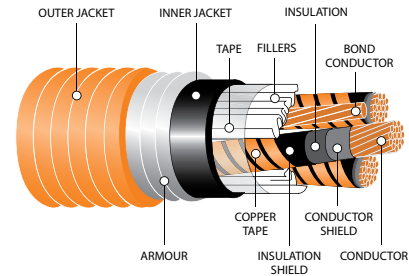
- CSA FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

*Refer to CE Code for details



CONSTRUCTION

- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** 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
Helically applied 20% overlapped copper tape shield



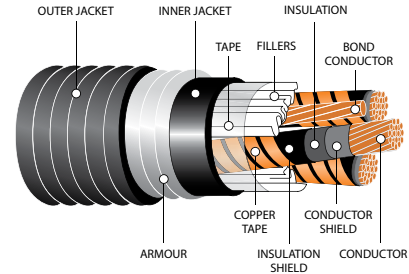
Part Number	AWG Size		Insulation Thickness (in.)	Approximate Diameter (Over)				Copper Content		Net Weight w/ Armour	
	Cond.	Bond Wire		Insul. (in.)	Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM
19018-03-060	4	8	0.115	0.480	1.370	1.650	1.750	505	752	1500	2230
19018-04-060	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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- 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:** 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
Helically applied 20% overlapped copper tape shield

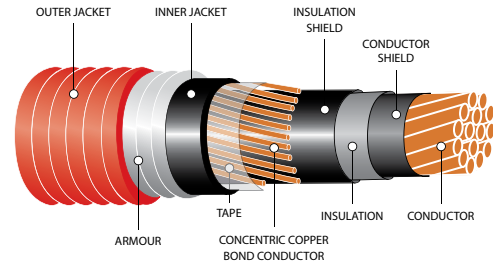
Part Number	AWG Size		Insulation Thickness (in.)	Approximate Diameter (Over)				Copper Content		Net Weight w/ Armour	
	Cond.	Bond Wire		Insul. (in.)	Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM
19014-01-012	6	8	0.140	0.495	1.405	1.645	1.755	403	600	1434	2134
19014-04-012	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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

*Refer to CE Code for details



CONSTRUCTION

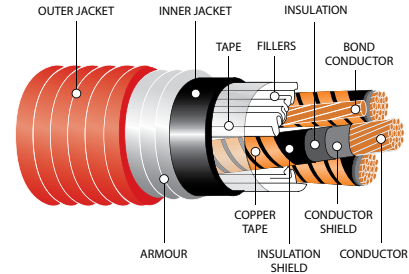
- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Ground (Bonding/Shield) Conductor:** 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

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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- 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:** 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
Helically applied 20% overlapped copper tape shield

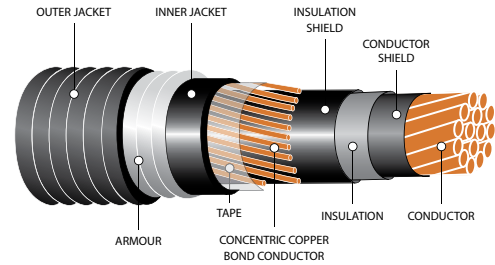
Part Number	AWG Size		Insulation Thickness (in.)	Approximate Diameter (Over)				Copper Content		Net Weight w/ Armour	
	Cond.	Bond Wire		Insul. (in.)	Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM
19022-01-032	2	6	0.220	0.760	2.020	2.310	2.430	793	1180	2665	3966
19022-02-032	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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

*Refer to CE Code for details



CONSTRUCTION

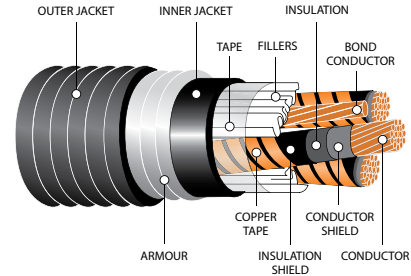
- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Ground (Bonding/Shield) Conductor:** 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

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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- 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:** 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
Helically applied 20% overlapped copper tape shield

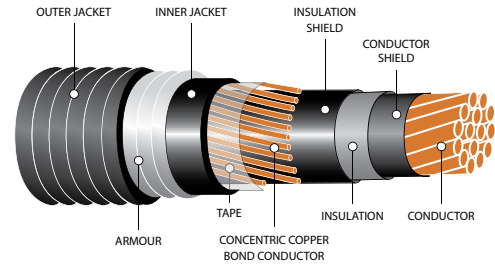
Part Number	AWG Size		Insulation Thickness (in.)	Approximate Diameter (Over)				Copper Content		Net Weight w/ Armour	
	Cond.	Bond Wire		Insul. (in.)	Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM
19026-02-012	1	6	0.320	0.990	2.530	2.820	2.940	985	1466	3690	5490
19026-03-012	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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

*Refer to CE Code for details



CONSTRUCTION

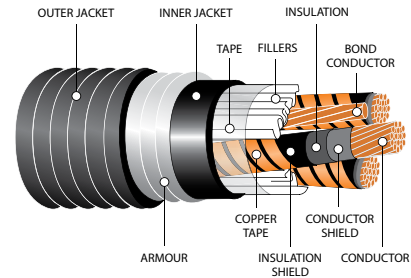
- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Ground (Bonding/Shield) Conductor:** 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

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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- 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:** 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
Helically applied 20% overlapped copper tape shield

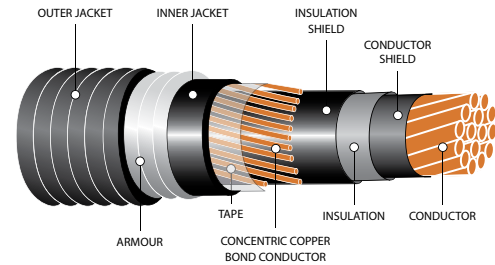
Part Number	AWG Size		Insulation Thickness (in.)	Approximate Diameter (Over)				Copper Content		Net Weight w/ Armour	
	Cond.	Bond Wire		Insul. (in.)	Inner Jacket (in.)	Armour (in.)	Outer Jacket (in.)	LB/ MFT	KG/ KM	LB/ MFT	KG/ KM
19027-01-012	1	6	0.345	1.040	2.680	2.970	3.100	988	1470	3980	5930
19027-02-012	1/0	6	0.345	1.080	2.760	3.050	3.180	1200	1786	4360	6490
19027-03-012	2/0	6	0.345	1.120	2.920	3.210	3.360	1466	2182	4950	7370
19027-04-012	3/0	4	0.345	1.170	3.020	3.310	3.460	1848	2750	5490	8160
19027-05-012	4/0	4	0.345	1.220	3.140	3.430	3.580	2264	3369	6090	9060
19027-06-012	250	4	0.345	1.270	3.260	3.550	3.700	2635	3921	6660	9910
19027-08-012	350	3	0.345	1.420	3.560	3.850	4.000	3621	5389	7960	11840
19027-10-012	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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test

*Refer to CE Code for details



CONSTRUCTION

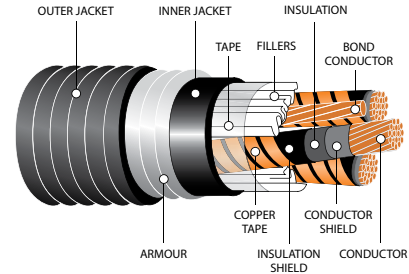
- Conductor:** Bare copper Class B compact or compressed stranded
- Conductor Shield:** Extruded thermoset semi-conducting shield
- Insulation:** Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
- Insulation Shield:** Extruded thermosetting semi-conducting shield
- Ground (Bonding/Shield) Conductor:** 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

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 FT1 & FT4
- CSA C22.2 No. 131 & 174
- CSA C68.10
- IEEE 383 & 1202 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Vertical Flame Test
- 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:** 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
Helically applied 20% overlapped copper tape shield

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.

TMC2 Connector

Standard: Aluminum connectors

Options: Also available in nickel plated brass and stainless steel connectors

Locknuts: Aluminum connectors up to 1" hub size - steel locknut included
Aluminum connectors above 1" hub size - sold separately
Nickel plated connectors - all sizes sold separately
Stainless steel connectors - all sizes sold separately

	Hub Size (in.)	Part Number	Cable Armour Diameter (in.)		Cable Jacket Diameter Overall OD (in.)	
		Aluminum	Min	Max	Min	Max
1	0.50	18-TMC2-050A075	0.420	0.630	0.500	0.750
2	0.50	18-TMC2-050A099	0.600	0.890	0.690	0.990
1A	0.75	18-TMC2-075A075	0.420	0.630	0.500	0.750
2A	0.75	18-TMC2-075A099	0.600	0.890	0.690	0.990
3	0.75	18-TMC2-075A118	0.790	1.100	0.870	1.180
3A	1.00	18-TMC2-100A118	0.790	1.100	0.870	1.180
4	1.00	18-TMC2-100A137	0.940	1.280	1.020	1.370
4A	1.25	18-TMC2-125A137	0.940	1.280	1.020	1.370
5	1.25	18-TMC2-125A162	1.220	1.500	1.300	1.620
6	1.25	18-TMC2-125A190	1.490	1.720	1.570	1.900
5A	1.50	18-TMC2-150A162	1.220	1.500	1.300	1.620
6A	1.50	18-TMC2-150A190	1.490	1.720	1.570	1.900
7	1.50	18-TMC2-150A200	1.570	1.880	1.650	2.000
8	1.50	18-TMC2-150A233	1.790	2.210	1.910	2.330
7A	2.00	18-TMC2-200A200	1.570	1.880	1.650	2.000
8A	2.00	18-TMC2-200A233	1.790	2.210	1.910	2.330
9	2.00	18-TMC2-200A272	2.140	2.610	2.270	2.720
9A	2.50	18-TMC2-250A272	2.140	2.610	2.270	2.720
10	3.00	18-TMC2-300A325	2.490	2.970	2.620	3.250
10A	3.50	18-TMC2-350A325	2.490	2.970	2.620	3.250
11	3.50	18-TMC2-350A376	2.950	3.540	3.160	3.760
11A	4.00	18-TMC2-400A376	2.950	3.540	3.160	3.760
12	4.00	18-TMC2-400A425	3.520	3.940	3.700	4.250

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

TMC2X Connector

Standard: Aluminum connectors

Options: Also available in nickel plated brass and stainless steel connectors

Locknuts: All sizes sold separately

RapidEX Sealer Included with Connector

	Hub Size (in.)	Part Number	Cable Armour Diameter (in.)		Cable Jacket Diameter Overall OD (in.)	
		Aluminum	Min	Max	Min	Max
1	0.50	18-TMC2X-050AX075	0.420	0.630	0.500	0.750
2	0.50	18-TMC2X-050AX099	0.600	0.890	0.690	0.990
1A	0.75	18-TMC2X-075AX075	0.420	0.630	0.500	0.750
2A	0.75	18-TMC2X-075AX099	0.600	0.890	0.690	0.990
3	0.75	18-TMC2X-075AX118	0.790	1.100	0.870	1.180
3A	1.00	18-TMC2X-100AX118	0.790	1.100	0.870	1.180
4	1.00	18-TMC2X-100AX137	0.940	1.280	1.020	1.370
4A	1.25	18-TMC2X-125AX137	0.940	1.280	1.020	1.370
5	1.25	18-TMC2X-125AX162	1.220	1.500	1.300	1.620
6	1.25	18-TMC2X-125AX190	1.490	1.720	1.570	1.900
5A	1.50	18-TMC2X-150AX162	1.220	1.500	1.300	1.620
6A	1.50	18-TMC2X-150AX190	1.490	1.720	1.570	1.900
7	1.50	18-TMC2X-150AX200	1.570	1.880	1.650	2.000
8	1.50	18-TMC2X-150AX233	1.790	2.210	1.910	2.330
7A	2.00	18-TMC2X-200AX200	1.570	1.880	1.650	2.000
8A	2.00	18-TMC2X-200AX233	1.790	2.210	1.910	2.330
9	2.00	18-TMC2X-200AX272	2.140	2.610	2.270	2.720
8B	2.50	18-TMC2X-250AX233	1.790	2.210	1.910	2.330
9A	2.50	18-TMC2X-250AX272	2.140	2.610	2.270	2.720
9B	3.00	18-TMC2X-300AX272	2.140	2.610	2.270	2.720
10	3.00	18-TMC2X-300AX325	2.490	2.970	2.620	3.250
10A	3.50	18-TMC2X-350AX325	2.490	2.970	2.620	3.250
11	3.50	18-TMC2X-350AX376	2.950	3.540	3.160	3.760
11A	4.00	18-TMC2X-400AX376	2.950	3.540	3.160	3.760
12	4.00	18-TMC2X-400AX425	3.520	3.940	3.700	4.250

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

Note: On single conductor cables above 600 volts, please contact a Texcan Representative.

EDITOR'S NOTE: Texcan has made every effort to ensure the accuracy of the information in this catalogue. Information contained herein neither constitutes endorsement of the product nor does Texcan make any claims or guarantees as to the accuracy or the completeness of the information. All information is subject to change without notice and suggestions made are not to be understood as recommendations to use any products in violation of any regulation or laws relating to any material or its intended use.

AWG to Metric Conversion Chart

AWG	mm ²	AWG	mm ²	AWG	mm ²	AWG	mm ²
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

Bending Radius

Power Cables Without Metallic Shielding or Armour

The minimum bending radii for both single and multiconductor non-shielded cables without metallic shielding or armour are as follows:

Thickness of Conductor Insulation in Inches	Minimum Bending Radius as a Multiple of Cable Diameter		
	Overall Diameter of Cable in Inches		
	1.000 and Less	1.001 to 2.000	2.001 and Over
.169 and Less	4	5	6
.170 - .310	5	6	7
.311 and Over	-	7	8

Power Cables Over 600V, Unshielded, Unarmoured

The minimum bending radius for all cables is six times the overall cable diameter.

Power Cables Over 600V, Shielded

The minimum bending radius for all cables is twelve times the overall cable diameter.

Interlocked Armoured Cable, All Voltages

For **unshielded** Teck cables, the minimum bending radius is six times the armour outside diameter (as per rule 12-614).

For **shielded** Teck cables, the minimum bending radius is twelve times the diameter (as per Table 15 of the C.E.C.).

***Please refer to the C.E.C. for additional information.**

Note: Bending radius refers to the inner surface of the cable at the bend and not at the axis of the cable.

Pulling Tension

The following recommendations are based on a study sponsored by ICEA. These recommendations may be modified if experience and more exact information so indicate.

A. Maximum Pulling Tension on Cable

(maximum 10,000 lbs)

1. With pulling eye attached to copper conductors:

$$T_M = 0.008 \times n \times CM$$

where: T_M = maximum tension, lbs

n = number of conductors

CM = circular mil area of each conductor

2. With cable grip over lead sheath:

$$T_M = 4712 \times t \times (D - t)$$

where: T_M = maximum tension, lbs

t = sheath thickness, inches

D = overall diameter of cable, inches

3. With cable grip over non-lead cable, the maximum pulling tension should not exceed 1000 lbs or the maximum obtained using $T_M = 0.008 \times n \times CM$.

4. When more than three conductors are pulled together, the maximum pulling tension should be reduced by 20%.

B. Maximum Permissible Pulling Length

$$L_M = (T_M) / (f \times W)$$

where: L_M = pulling length, feet (straight section)

T_M = maximum tension, lbs

f = coefficient of friction (usually 0.5)

W = weight of cable, lbs/ft

C. Pulling Tension Requirements in Ducts / Raceway

(refer to rule 12-902 in CE Code)

1. For straight sections:

$$T_s = L \times W \times f$$

where: T_s = tension at pulling end of straight section, lbs

L = length of straight section, ft

W = weight of cable, lbs/ft

f = coefficient of friction (usually 0.5)

2. For curved sections:

$$T_c = T_1 e^{fa}$$

where: T_c = cable tension at pulling end of curved section, lbs

T_1 = cable tension at feeding end of curved section, lbs

e = naperian logarithm base (2.718)

f = coefficient of friction (usually 0.5)

a = angle of bend, radians (1 radian = 57.3°)

Our Value Added Services

Cable Management Program

- Competitive contract pricing
- Customer specified tagging requirements
- Customer specified reel sizes
- Custom cut lengths
- Long lengths capability
- Timely product releases
(reduces on-site storage space and costs)
- Product on-site scheduling
- Custom packing slips
- Bar coded product labels
- Weatherproof reel tags
- Expediting and progress reports

Specialized Technical Assistance

- Technical expertise on cable applications, installation procedures, ampacities, bending radii, terminations and cable selection

Customized Cable Solutions

- Special constructions built to customer specifications when requested

International Export Services

- Specialized export services, packaging, labeling, freight consolidation, customs advisory services and adherence to Incoterms 2010

Paralleling

- Offers a contractor a significant installation advantage in a single reel containing multiple phase conductors

Lagging

- A safe method of protecting cables that must be transported through rough terrain involving 2" x 4" lumber 'lags' which are fastened across the flanges encasing the cable reel

Pulling Eyes and Bolts

- A pulling line can be attached to the cable when requested to aid in the installation of cables into conduit, tray or duct

Just-In-Time (JIT)

- Just-in-time shipments to job sites across North America through our network of distribution warehouses
- Our stocking, cutting and shipment expertise ensure that your wire and cable requirements are satisfied and project delays eliminated

After Hours, Emergency Service

- We understand that our customers' needs don't always fall within the course of a normal business day, therefore we provide 24/7 service

Quality Service is Our
Source of Pride

Largest Stocked Inventory in Western Canada

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- AC90 Armoured Cables
- Fire Alarm Cables
- ACWU Armoured Cables
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- Solid / Stranded Bare Copper
- RA90 / Armoured Cables CU / AL
- SIMpull Solutions®
- RW90 / RWU 90 CU / AL
- T90 CU / TW75 / TWH / TWU
- LVT

Connectors

- Armoured Cable Connectors
- Explosion-proof Connectors
- Strain Reliefs Metal & Nylon
- High Voltage Termination Kit
- Tray Cable Connectors

Control Cables

- Multiconductor
 - Armoured / Unarmoured
- Portable Control Cables
- Shielded Control Cables
- Custom Bundling / Armouring

Communication

- Computer Cables
- Inside / Outside Plant Wires
- Telephone Cables
- Plenum Cables
- Direct Burial

Data Cables

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

Electronic Cables

- Armoured Cables
- Audio / Visual Cables
- Broadcast Cables
- Low Capacitance Wires
- Plenum Wires
- Precision Video Wires
- Industrial Automation Cables
- 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 Cables

- Armoured / Unarmoured
 - Interlocked Steel / Aluminum
- Multiconductor / Pairs / Triads
- Shielded / Unshielded

Marine Cables

- Boat Cables
- Shipboard Cables
- Offshore Rig / Marine Cables

Mining Cables

- Blasting Wires
- Mine Power Feeder Cables
- Portable Power Cables
 - Type W, G, GGC, SHDGC (2KV - 35 KV)
- Trailing Cables
- Cable Assemblies
- Vertical Riser Cables

Portable Cords

- High Temperature Cables
- Ultraflex™ Low Temperature Cords
- Ultraflex™ Extension Cords
- Retractable Cords
- Type: SJ00W, SO0W, SJTOW, STOW
- Welding Cables
- Stage Lighting
- Landscape Lighting
- Multiconductor

Power Cables

- ACSR / AAC Linewire
- High Voltage Power Cables
- Overhead Service (NS75 / NS90)
 - Duplex, Triplex, Quadruplex
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- TECK 90 HL Cables (600V - 35KV)
- Tray Cables
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- Underground Distribution
- Airguard™

Specialty Wire / Products

- Coil Lead Wires
- European Cables (CE & VDE approved)
- 2HR Fire Rated
- VITALink® Fire Resistive
- Teflon® Insulated Wires
- SIS Switchboard Wires

- TEW Equipment Wires
- TR64
- Low Smoke Zero Halogen Cables
- Milspec Hookup Wires
- Tracer Wires
- Utility Hydro Cables
- Split Loom
- Automotive Cables
- Variable Frequency Drive (VFD) Cables
- Thermocouple Wires
- Heat Trace Cables
- Grounding Cables

Specialty Cords / Cables

- Extra Flexible Portable Cables
- Parallel Conductor Cords
- Small Diameter Flexible Control (SDN)
- Traffic Signal Cables CLMTO / IMSA
- Trailer Cables
- Airport Lighting Cables
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- Diesel Locomotive Cables
- Reeling Cables
- Pendant Cables / Festoon

Custom-Built Cables

- Made to Customer Specifications

Accessories

- Hardware, Lugs, Cable Ties
- 3M Accessories

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- Maxis® 3K Tugger
- Maxis® Grips™
- QWIKrope®
- Swivel
- SIMpull™ REEL
- SIMpull HEAD®
- SIMpull® Flange
- SIMpull™ Cradle
- GRIPit™
- A Frame

VALUE ADDED SERVICES

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