



Canadian Wire and Cable Products





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Custom Engineered Wire, Cable and Assemblies.

MAKE THE RIGHT CONNECTIONS WITH SHAWFLEX CUSTOMENGINEEREDWIRE,CABLEANDASSEMBLIES.

Shawflex is committed to leading the industry with innovative solutions that are proven, dependable and tested to the highest standards and precisely manufactured to your specifications. We are the market leader and a trusted brand, providing solutions from common to custom. We offer complete electrical solutions from instrumentation, control, and low-voltage power cables to wire termination and custom connectors.

With more than 60+ years of manufacturing experience, we have built and maintained a reputation of excellence for our customers in North America.

STAYING CURRENT WITH CUSTOMER NEEDS IS HOW WE SECURE OUR PLACE IN THE MARKET.

At Shawflex, we manufacture both **run-to-order** and **engineered-to-order**.

Our run-to-order products are available from our extensive catalogue of standard constructions.

For engineered-to-order cables, our highly skilled technical team will partner with you to interpret performance criteria, determine innovative solutions, and optimize cable capabilities while ensuring the cable meets all safety and specification requirements.



60+

years of manufacturing

14,000

unique parts manufactured

35+

countries where products
are sold

167 billion

cable design possibilities

Technical Expertise

LEADERSHIP IN INNOVATION DEPENDS ON SUPERIOR TECHNOLOGY AND DEDICATED PEOPLE.

Shawflex is committed to leading the industry with innovative solutions that are proven, dependable, tested to the highest standards, and precisely manufactured to your specifications.

At the heart of our commitment to our customers is our Solutions Development Team. They are dedicated to constantly push the boundaries of materials technologies, complex manufacturing techniques and custom testing programs. The Solutions Development Team designs products & services that are safer, more reliable, and more innovative to ensure they meet the highest standards for our customers' applications.

WE HAVE BEEN RECOGNIZED AND PRAISED AS A TOP LEAN MANUFACTURING FACILITY.

At Shawflex, we follow an industry-leading continuous improvement program integrating elements of six sigma, world-class manufacturing systems, company experience, strong leadership, and engaged employees. We have been able to drive excellence and reduce inefficiencies in both our manufacturing and business processes resulting in expedited service and quality product.

COMMITTED TO COMPLETE CUSTOMER SATISFACTION.

It all starts with your first contact with our sales or technical support teams. With an outstanding Inside Sales Support Team and dedicated market wise Sales Managers, we have an experienced team ready to help you with all your wire, cable, and assembly needs.

Service Quality

PRODUCT WHEN YOU NEED IT, HOW YOU NEED IT.

To meet our customers' needs, our first promise is to meet your timeline. We do this through inventory, customer supply chain programs, and some of the shortest lead times in the industry.

We also meet your needs for:

- Quick turnaround on quotes
- Customized designs for specific project requirements
- Low minimum order quantities
- Reliable delivery, custom packaging
- Products manufactured to the highest quality standards
- Customer-focused testing
- Complete documentation and reporting

We demonstrate our commitment to quality and continuous improvement by meeting and exceeding our customer expectations—delivering superior quality and integrated solutions on time and on budget.



Markets Served

We serve multiple industries around the world providing solutions from space to sea.



Nuclear Power



Communications



Aerospace & Defense



Renewable Energy



EV infrastructure



Marine & Shipboard



Mining



Transit & Railway



Industrial & Commercial



Utilities



Custom Cable Solutions

Custom Cable Design

MEETING OUR CUSTOMERS' NEEDS FROM COMMON TO CUSTOM

Shawflex is uniquely positioned as both a run-to-order and an engineered-to-order wire and cable company. Our run-to-order products are available from our extensive catalogue of standard constructions/items.

For Shawflex engineered to order cables, our highly skilled technical team will work with you to interpret performance criteria, determine innovative solutions and optimize cable capabilities while ensuring the cable meets all applicable safety and specification requirements.

1 Conductor Wire

Enables the transmission of electrical power or signal.

- 22 AWG - 2000 kcmil
- Bare copper
- Tin-coated copper
- Aluminum alloy
- Solid or stranded
- Flexible or extra flexible stranded
- Thermocouple extension alloys
- Metric sizes available
- Custom designs available

2 Insulation

Designed to withstand voltage stress and prevent short circuit conditions over its expected lifetime.

- Cable voltage ratings: 150 V to 5000 V
- UL, CSA or ICEA standard approved materials
- PVC
- PVC/Nylon
- PE (polyethylene)
- TPE (thermoplastic elastomer)
- XLPE
- EPR
- Halogen free
- Specified as per temperature rating

3 Hose/Tube

Permits the transfer of fluid under various temperature and pressure conditions.

4 Armouring

Protects the cable core from mechanical damage.

- UL/CSA aluminum interlocked armour
- UL/CSA steel interlocked armour
- UL/CSA steel wire armour
- Braid Armored: tin-coated copper, aluminum, bronze
- Bronze tape

5 Jacketing

Provides mechanical, chemical, environmental, and electrical protection of the cable core.

- UL, CSA or ICEA standard approved materials
- FR PVC
- PE (polyethylene)
- CPE (chlorinated polyethylene, thermoset and thermoplastic options available)
- TPE (thermoplastic elastomer)
- LSZH (low-smoke zero halogen, thermoset and thermoplastic options available)
- FR Polyurethane
- FR XLPO
- Meter/foot marking
- Colour striping options available
- Colour options available
- Specialty engineered compounds for sunlight resistance, oil resistance, lower temperature performance, low acid gas and radiation resistance

6 Shielding

Reflects signal interference and picks up noise and conducts it to ground.

- Aluminum/polyester tape with tin-coated copper drain wire, OS and/or over each cable subcomponent
- Helically applied copper tape
- Corrugated longitudinally applied copper tape
- Tin-coated copper braided shield
- Specialty tapes such as copper/polyester

7 Strength Member

Provides tensile strength for vertical installation.

- Steel rope
- Inner ribbed jacket or hi-tensile strength pulling members

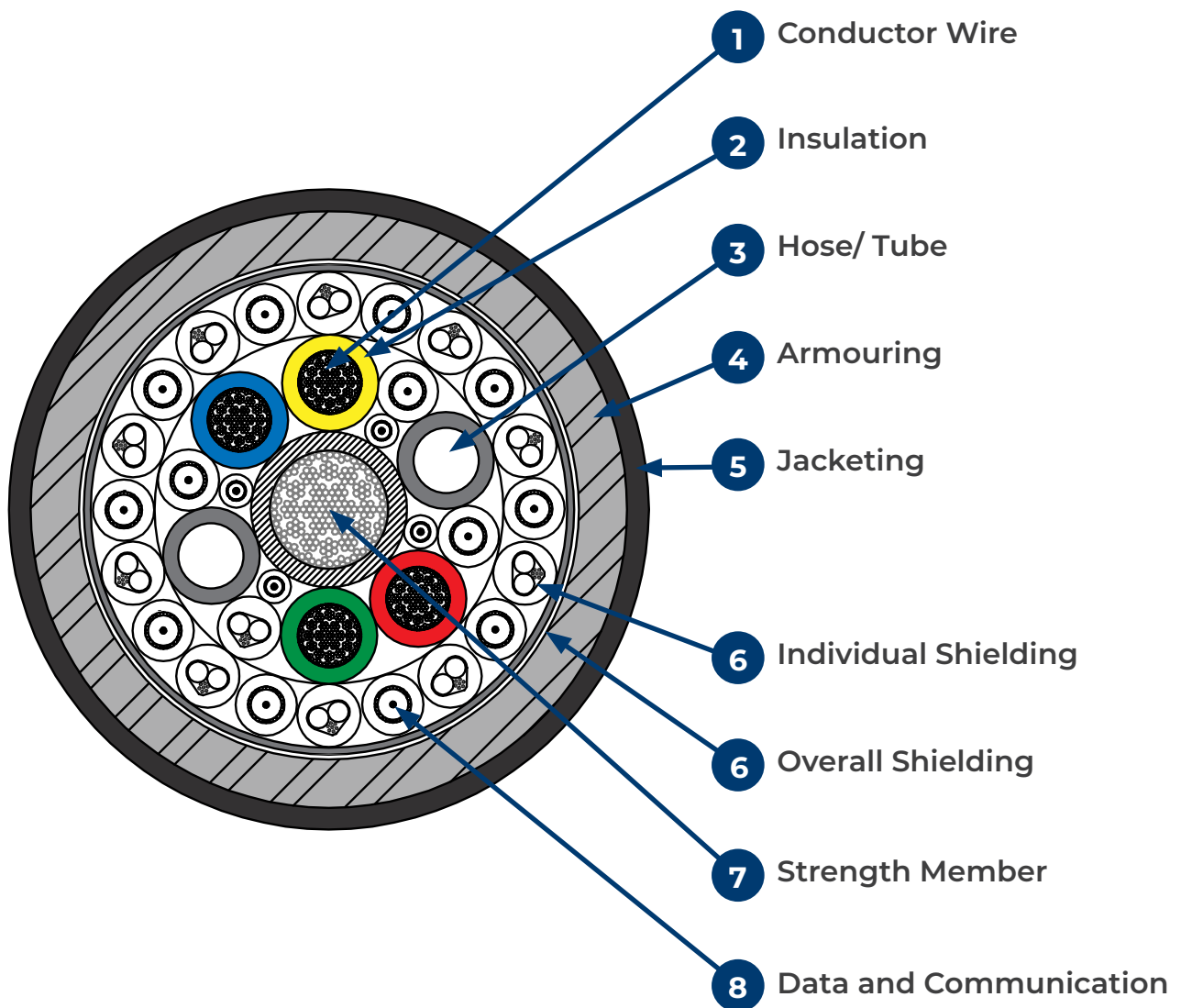
8 Data and Communication

Integration of different types of data and communication cables.

- Fiber optic
- Coaxial cable
- Category cable

Other Capabilities

- Colour coding
- Insulation colour stripe
- Special printing
- Special cable packaging
- Electron beam irradiation



INSTRUMENTATION

PROVIDING PROTECTION FROM NOISE, CROSSTALK AND COMMON MODE INTERFERENCES

Instrumentation cable can be used to convey analogue or digital signals. Cables can be installed in raceways, direct burial applications and in outdoor exposed industrial applications. Both armoured and unarmoured configurations are available.

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CSA ARMCON, Armoured Multi-Conductor, 600 V	22
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CSA Type CIC TC Tray Fieldbus/Profibus PA, 300/600 V	26

CSA Type ACIC Armoured Instrumentation, 300 V

Armoured Instrumentation cables can be used to minimize noise and signal interference by preventing crosstalk between pairs and triads. This cable can also be used to convert analogue or digital signals. Type ACIC Instrumentation cables can be installed in raceways, cable trays, direct burial applications and in outdoor exposed industrial applications.

Standards:



Product Construction

Insulation:

- FR XLPE (RW90 rated) rated: 90°C wet/105°C dry
- PVC (optional)

Shielding (foil-free edge):

- ISOS (standard)
- OS (optional)

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Jacket:

- FR LAG PVC (AG14 rated) inner black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer grey jacket rated: 90°C to -40°C

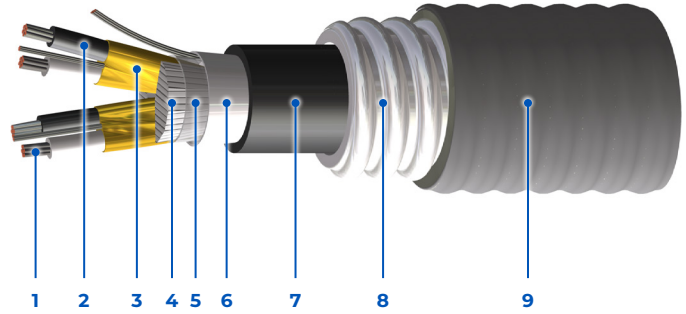
Available in:

- Copper tape or braided shield
- Custom insulation/jacket colours

- Composite constructions
- Ribbed inner-jacketed core for vertical/mineshaft applications

Certification/Compliances

- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 75, Thermoplastic-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/105°C dry
- UV sunlight resistant "SUN RES" (all colours)



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – XLPE (RW90 Rated) Insulated Conductors

3 – Individually Shielded Pairs/Triads with Tin-coated Copper Drain Wire

4 – Polypropylene Fillers

5 – Polyester Separator Tape

6 – Overall Aluminum/Mylar Shield with Tin-coated Copper Drain Wire

7 – FR LAG PVC Inner Protective Jacket

8 – Aluminum Interlocked Armour (AIA)

9 – FR LAG PVC Outer Protective Jacket

300 V

Voltage
(Optional:
600, 1000 V)

CSA Type ACIC

Instrumentation

- Direct burial rated
- -40°C cold bend/impact rated
- HL rated for use in hazardous locations:
 - Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)
- HL-BCD gas groups rated

Colour Coding

- Pairs – Black, & white, number-coded with black ink printed on white conductor (standard)
- Triads – Black, white & red, number-coded with black ink printed on white conductor (standard)

CSA Type ACIC Armoured Instrumentation, 300 V

Pairs

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
			OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE			
		AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	lb kg	in. mm
64221M160108700	1	16	0.299 7.6	0.539 13.7	0.651 16.5	168 251	41 19	11.7 298
64222M160208700	2	16	0.448 11.4	0.688 17.5	0.800 20.3	259 385	82 37	14.4 366
64222M160408700	4	16	0.552 14.0	0.792 20.1	0.904 23.0	343 511	165 75	16.3 413
64222M160608700	6	16	0.662 16.8	0.902 22.9	1.014 25.8	438 651	247 112	18.3 464
64222M160808700	8	16	0.719 18.3	0.959 24.4	1.071 27.2	508 756	330 150	19.3 490
64222M161208700	12	16	0.911 23.2	1.151 29.2	1.263 32.1	751 1117	494 224	22.7 578
64222M161608700	16	16	1.016 25.8	1.256 31.9	1.368 34.8	893 1329	659 299	24.6 625
64222M162408700	24	16	1.263 32.1	1.503 38.2	1.615 41.0	1207 1797	989 449	29.1 738
64222M163608700	36	16	1.456 37.0	1.696 43.1	1.828 46.4	1623 2416	1483 673	32.9 836
64221M180108700	1	18	0.275 7.0	0.515 13.1	0.627 15.9	154 229	26 12	11.3 287
64222M180208700	2	18	0.409 10.4	0.649 16.5	0.761 19.3	230 342	52 24	13.7 348
64222M180408700	4	18	0.478 12.1	0.718 18.2	0.830 21.1	279 416	104 47	14.9 379
64222M180608700	6	18	0.602 15.3	0.842 21.4	0.954 24.2	373 555	156 71	17.2 436
64222M180808700	8	18	0.653 16.6	0.893 22.7	1.005 25.5	426 633	208 94	18.1 459
64222M181208700	12	18	0.795 20.2	1.035 26.3	1.147 29.1	594 884	312 142	20.6 524
64222M181608700	16	18	0.920 23.4	1.160 29.5	1.272 32.3	737 1096	416 189	22.9 582
64222M182408700	24	18	1.139 28.9	1.379 35.0	1.492 37.9	983 1463	624 283	26.8 682

CSA Type ACIC Armoured Instrumentation, 300 V

Triads

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
			OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE			
		AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	lb kg	in. mm
64231M160108700	1	16	0.315 8.0	0.555 14.1	0.667 16.9	184 274	62 28	12.0 305
64232M160208700	2	16	0.511 13.0	0.751 19.1	0.863 21.9	305 454	124 56	15.5 395
64232M160408700	4	16	0.628 16.0	0.868 22.0	0.980 24.9	416 620	247 112	17.6 448
64232M160608700	6	16	0.756 19.2	0.997 25.3	1.109 28.2	542 807	371 168	20.0 507
64232M160808700	8	16	0.855 21.7	1.095 27.8	1.207 30.7	718 1068	494 224	21.7 552
64232M161208700	12	16	1.042 26.5	1.281 32.6	1.393 35.4	948 1411	742 336	25.1 637
64232M161608700	16	16	1.164 29.6	1.404 35.7	1.516 38.5	1141 1698	989 449	27.3 693
64232M162408700	24	16	1.451 36.9	1.691 43.0	1.823 46.3	1602 2384	1483 673	32.8 834
64231M180108700	1	18	0.289 7.3	0.529 13.4	0.641 16.3	166 246	39 18	11.5 293
64232M180208700	2	18	0.464 11.8	0.704 17.9	0.816 20.7	265 394	78 35	14.7 373
64232M180408700	4	18	0.571 14.5	0.811 20.6	0.923 23.4	352 523	156 71	16.6 422
64232M180608700	6	18	0.685 17.4	0.925 23.5	1.037 26.3	449 668	234 106	18.7 474
64232M180808700	8	18	0.744 18.9	0.984 25.0	1.096 27.8	520 774	312 142	19.7 501
64231M160108700	1	16	0.315 8.0	0.555 14.1	0.667 16.9	184 274	62 28	12 305
64232M160208700	2	16	0.511 13.0	0.751 19.1	0.863 21.9	305 454	124 56	15.5 395
64232M160408700	4	16	0.628 16.0	0.868 22.0	0.980 24.9	416 620	247 112	17.6 448
64232M160608700	6	16	0.756 19.2	0.997 25.3	1.109 28.2	542 807	371 168	20.0 507
64232M160808700	8	16	0.855 21.7	1.095 27.8	1.207 30.7	718 1068	494 224	21.7 552
64232M161208700	12	16	1.042 26.5	1.281 32.6	1.393 35.4	948 1411	742 336	25.1 637
64232M161608700	16	16	1.164 29.6	1.404 35.7	1.516 38.5	1141 1698	989 449	27.3 693
64232M162408700	24	16	1.451 36.9	1.691 43.0	1.823 46.3	1602 2384	1483 673	32.8 834
64231M180108700	1	18	0.289 7.3	0.529 13.4	0.641 16.3	166 246	39 18	11.5 293
64232M180208700	2	18	0.464 11.8	0.704 17.9	0.816 20.7	265 394	78 35	14.7 373
64232M180408700	4	18	0.571 14.5	0.811 20.6	0.923 23.4	352 523	156 71	16.6 422
64232M180608700	6	18	0.685 17.4	0.925 23.5	1.037 26.3	449 668	234 106	18.7 474
64232M180808700	8	18	0.744 18.9	0.984 25.0	1.096 27.8	520 774	312 142	19.7 501
64232M181208700	12	18	0.942 23.9	1.182 30.0	1.294 32.9	769 1144	468 212	23.3 592
64232M181608700	16	18	1.050 26.7	1.290 32.8	1.402 35.6	915 1361	624 283	25.2 641
64232M182408700	24	18	1.306 33.2	1.546 39.3	1.678 42.6	1269 1888	936 425	30.2 767
64231M200108700	1	20	0.246 6.3	0.486 12.4	0.598 15.2	144 214	24 11	10.8 273
64232M200208700	2	20	0.387 9.8	0.627 15.9	0.739 18.8	218 325	48 22	13.3 338
64232M200608700	6	20	0.567 14.4	0.807 20.5	0.919 23.3	353 525	144 65	16.5 420
64232M200808700	8	20	0.614 15.6	0.854 21.7	0.966 24.5	403 599	192 87	17.4 442
64232M201208700	12	20	0.745 18.9	0.985 25.0	1.097 27.9	518 771	288 131	19.8 502
64232M201608700	16	20	0.863 21.9	1.103 28.0	1.215 30.9	694 1032	384 174	21.9 556
64232M202408700	24	20	1.066 27.1	1.305 33.2	1.418 36.0	921 1370	576 261	25.5 648

CSA Type ACIC Armoured Instrumentation, 600 V

Armoured Instrumentation cables are used to convert analogue or digital signals. Used when there is a possibility for crosstalk between pairs/triads. Interlocked armour replaces the use of conduit for mechanical protection. Type ACIC Instrumentation cables can be installed in raceways, cable trays, direct burial applications and in outdoor exposed Industrial applications.

Standards:



Product Construction

Insulation:

- FR XLPE (RW90 rated) 90°C wet/105°C dry
- PVC (optional)

Shielding (foil-free edge):

- ISOS (standard)
- OS (optional)

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Jacket:

- FR LAG PVC (AG14 rated) inner black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer grey jacket rated: 90°C to -40°C

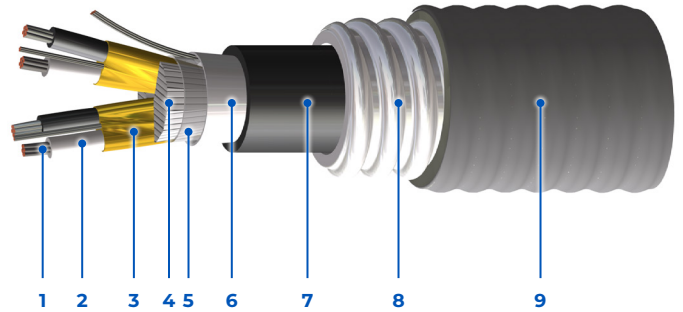
Available in:

- Copper taper or braided shield
- Custom insulation/jacket colours

- Composite constructions
- Ribbed inner-jacketed core for vertical/mineshaft applications

Certification/Compliances

- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 75, Thermoplastic-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/105°C dry
- UV sunlight resistant "SUN RES" (all colours)



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – XLPE (RW90 Rated) Insulated Conductors

3 – Individually Shielded Pairs/Triads with Tin-Coated Copper Drain Wire

4 – Polypropylene Fillers

5 – Polyester Separator Tape

6 – Overall Aluminum/Mylar Shield with Tin-coated Copper Drain Wire

7 – FR LAG PVC Inner Protective Jacket

8 – Aluminum Interlocked Armour (AIA)

9 – FR LAG PVC Outer Protective Jacket

600 V

Voltage
(Optional:
300, 1000 V)

CSA Type ACIC

Instrumentation

- Direct burial rated
- -40°C cold bend/ impact rated
- HL rated for use in hazardous locations:
 - Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)
- HL-BCD gas groups rated

Colour Coding

- Pairs – Black, & white, number-coded with black ink printed on white conductor (standard)
- Triads – Black, white & red, number-coded with black ink printed on white conductor (standard)

CSA Type ACIC Armoured Instrumentation, 600 V

Pairs

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
			OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE			
		AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	lb kg	in. mm
69222M160108700	1	16	0.327 8.3	0.567 14.4	0.679 17.3	180 269	41 19	12.2 310
69222M160208700	2	16	0.494 12.6	0.734 18.7	0.846 21.5	285 424	82 37	15.2 387
69222M160408700	4	16	0.608 15.5	0.848 21.5	0.960 24.4	379 564	165 75	17.3 439
69222M160608700	6	16	0.732 18.6	0.972 24.7	1.084 27.5	488 726	247 112	19.5 496
69222M160808700	8	16	0.797 20.3	1.037 26.3	1.149 29.2	612 910	330 150	20.7 525
69222M161208700	12	16	1.010 25.6	1.250 31.8	1.362 34.6	843 1254	494 224	24.5 623
69222M161608700	16	16	1.128 28.7	1.368 34.8	1.480 37.6	1003 1493	659 299	26.6 677
69222M162408700	24	16	1.406 35.7	1.646 41.8	1.778 45.2	1399 2081	989 449	32.0 813
69222M163608700	36	16	1.625 41.3	1.930 49.0	2.062 52.4	1931 2874	1483 673	37.1 943
69222M180108700	1	18	0.303 7.7	0.543 13.8	0.655 16.6	165 245	26 12	11.8 299
69222M180208700	2	18	0.455 11.6	0.695 17.7	0.807 20.5	250 373	52 24	14.5 369
69222M180408700	4	18	0.560 14.2	0.800 20.3	0.912 23.2	325 484	104 47	16.4 417
69222M180608700	6	18	0.672 17.1	0.912 23.2	1.024 26.0	411 611	156 71	18.4 468
69222M180808700	8	18	0.730 18.6	0.970 24.6	1.082 27.5	470 700	208 94	19.5 495
69222M181208700	12	18	0.925 23.5	1.165 29.6	1.277 32.4	695 1034	312 142	23.0 584
69222M181608700	16	18	1.032 26.2	1.272 32.3	1.384 35.2	817 1216	416 189	24.9 633
69222M182408700	24	18	1.283 32.6	1.523 38.7	1.635 41.5	1092 1625	624 283	29.4 748
69222M183608700	36	18	1.480 37.6	1.720 43.7	1.852 47.1	1448 2154	936 425	33.3 847

CSA Type ACIC Armoured Instrumentation, 600 V

Triads

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
			OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE			
		AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	lb kg	in. mm
69231M160108700	1	16	0.345 8.8	0.585 14.9	0.697 17.7	198 295	62 28	12.5 319
69232M160208700	2	16	0.591 15.0	0.831 21.1	0.943 24.0	356 530	124 56	17.0 431
69232M160408700	4	16	0.694 17.6	0.934 23.7	1.046 26.6	458 681	247 112	18.8 478
69232M160608700	6	16	0.871 22.1	1.111 28.2	1.223 31.1	684 1017	371 168	22.0 559
69232M160808700	8	16	0.946 24.0	1.186 30.1	1.298 33.0	795 1183	494 224	23.4 593
69232M161208700	12	16	1.156 29.4	1.396 35.5	1.508 38.3	1054 1569	742 336	27.2 690
69232M161608700	16	16	1.294 32.9	1.534 39.0	1.666 42.3	1301 1936	989 449	30.0 762
69232M162408700	24	16	1.619 41.1	1.924 48.9	2.056 52.2	1880 2797	1483 673	37.0 940
69231M180108700	1	18	0.319 8.1	0.559 14.2	0.671 17.1	178 265	39 18	12.1 307
69232M180208700	2	18	0.544 13.8	0.784 19.9	0.896 22.8	311 464	78 35	16.1 410
69232M180408700	4	18	0.637 16.5	0.877 22.3	0.989 25.1	388 578	156 71	17.8 452
69232M180608700	6	18	0.767 19.5	0.987 25.1	1.099 27.9	540 803	234 106	19.8 503
69232M180808700	8	18	0.867 22.0	1.107 28.1	1.219 31.0	662 985	312 142	21.9 557
69232M181208700	12	18	1.057 26.9	1.297 33.0	1.409 35.8	865 1287	468 212	25.4 644
69232M181608700	16	18	1.181 30.0	1.421 36.1	1.533 38.9	1024 1524	624 283	27.6 701
69232M182408700	24	18	1.474 37.4	1.713 43.5	1.845 46.9	1425 2121	936 425	33.2 844

CSA Type CIC TC Tray Instrumentation, 300 V

Tray Instrumentation cables can be used to minimize noise and signal interference by preventing crosstalk between pairs and triads. This cable can also be used to convert analogue or digital signals. Type TC Instrumentation cables can be installed in raceways, cable trays, direct burial applications and in outdoor exposed industrial applications.

Standards:



Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry
- PVC (optional)

Shielding (foil-free edge):

- ISOS (standard)
- OS (optional)

Jacket:

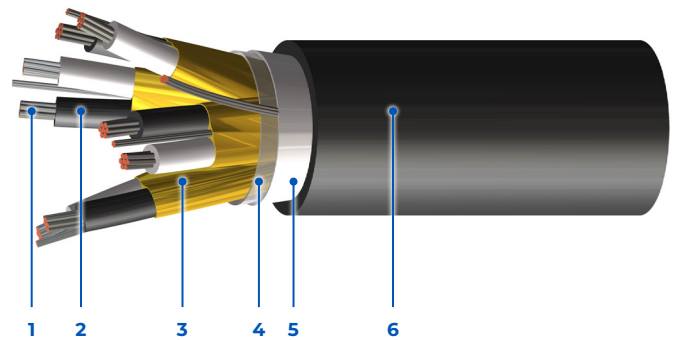
- FR PVC outer black jacket rated: 90°C to -40°C

Available in:

- Copper tape or braided shield
- Custom insulation/jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 230, Tray cables
- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 75, Thermoplastic-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/105°C dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – XLPE (RW90 Rated) Insulated Conductors

3 – Individually Shielded Pairs/Triads with Tin-coated Copper Drain Wire

4 – Polyester Separator Tape

5 – Overall Aluminum/Mylar Shield with Tin-coated Copper Drain Wire

6 – FR PVC Outer Protective Jacket

- -40°C cold bend/impact rated
- Rated for use in hazardous locations:
 - Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)
 - TC-BCD gas groups rated

Colour Coding

- Pairs – Black, & white, number-coded with black ink printed on white conductor (standard)
- Triads – Black, white & red, number-coded with black ink printed on white conductor (standard)

300 V

Voltage
(Optional:
600, 1000 V)

CSA Type CIC TC

Instrumentation

CSA Type CIC TC Tray Instrumentation, 300 V

Pairs

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	in. mm	lb/1000ft kg/km	lb kg	in. mm
4B021M160100008	1	16	0.347 8.8	56 84	41 19	6.2 159
4B022M160200008	2	16	0.514 13.1	125 186	82 37	9.3 235
4B022M160400008	4	16	0.632 16.1	195 290	165 75	11.4 289
4B022M160600008	6	16	0.756 19.2	280 416	247 112	13.6 346
4B022M160800008	8	16	0.821 20.9	346 515	330 150	14.8 375
4B022M161200008	12	16	1.042 26.5	528 786	494 224	18.7 476
4B022M161600008	16	16	1.160 29.5	663 986	659 299	20.9 530
4B022M162400008	24	16	1.438 36.5	961 1431	989 449	25.9 658
4B022M163600008	36	16	1.657 42.1	1357 2019	1483 673	29.8 758
4B022M180200008	2	18	0.475 12.1	99 147	52 24	8.5 217
4B022M180400008	4	18	0.584 14.8	151 225	104 47	10.5 267
4B022M180600008	6	18	0.696 17.7	215 319	156 71	12.5 318
4B022M180800008	8	18	0.754 19.2	263 392	208 94	13.6 345
4B022M181200008	12	18	0.957 24.3	401 597	312 142	17.2 438
4B022M181600008	16	18	1.064 27.0	499 742	416 189	19.2 487
4B022M182400008	24	18	1.315 33.4	716 1065	624 283	23.7 601
4B022M183600008	36	18	1.512 38.4	997 1484	936 425	27.2 692
4B021M200100008	1	20	0.303 7.7	39 57	16 7	5.5 139
4B022M200200008	2	20	0.442 11.2	84 125	32 15	8.0 202
4B022M200400008	4	20	0.514 13.1	113 169	64 29	9.3 235
4B022M200600008	6	20	0.646 16.4	178 264	96 44	11.6 295
4B022M200800008	8	20	0.699 17.8	215 320	128 58	12.6 320
4B022M201200008	12	20	0.887 22.5	330 491	192 87	16.0 406
4B022M201600008	16	20	0.984 25.0	405 603	256 116	17.7 450
4B022M202400008	24	20	1.213 30.8	579 861	384 174	21.8 554
4B022M203600008	36	20	1.392 35.4	798 1188	576 261	25.1 636

CSA Type CIC TC Tray Instrumentation, 300 V

Triads

PART NUMBER	NUMBER OF TRIADS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	in. mm	lb/1000ft kg/km	lb kg	in. mm
4B031M160100008	1	16	0.365 9.3	71 106	62 28	6.6 167
4B032M160200008	2	16	0.615 15.6	178 265	124 56	11.1 281
4B032M160400008	4	16	0.718 18.2	258 383	247 112	12.9 328
4B032M160600008	6	16	0.903 22.9	403 600	371 168	16.3 413
4B032M160800008	8	16	0.978 24.8	499 743	494 224	17.6 447
4B032M161200008	12	16	1.188 30.2	711 1058	742 336	21.4 543
4B032M161600008	16	16	1.326 33.7	896 1333	989 449	23.9 606
4B032M162400008	24	16	1.651 41.9	1310 1949	1483 673	29.7 755
4B031M180100008	1	18	0.339 8.6	56 83	39 18	6.1 155
4B032M180200008	2	18	0.568 14.4	142 211	78 35	10.2 260
4B032M180400008	4	18	0.661 16.8	199 297	156 71	11.9 302
4B032M180600008	6	18	0.791 20.1	286 425	234 106	14.2 362
4B032M180800008	8	18	0.899 22.8	385 572	312 142	16.2 411
4B032M181200008	12	18	1.089 27.7	543 807	468 212	19.6 498
4B032M181600008	16	18	1.213 30.8	676 1006	624 283	21.8 555
4B032M182400008	24	18	1.506 38.2	979 1457	936 425	27.1 688
4B031M200100008	1	20	0.318 8.1	46 69	24 11	5.7 145
4B032M200200008	2	20	0.500 12.7	106 158	48 22	9.0 229
4B032M200200008	2	20	0.500 12.7	106 158	48 22	9.0 229
4B032M200400008	4	20	0.615 15.6	162 242	96 44	11.1 281
4B032M200800008	8	20	0.796 20.2	282 419	192 87	14.3 364
4B032M201200008	12	20	1.009 25.6	431 641	288 131	18.2 461
4B032M201600008	16	20	1.122 28.5	534 795	384 174	20.2 513
4B032M202400008	24	20	1.388 35.3	769 1144	576 261	25.0 635

CSA Armcon, Armoured, Multi-Conductor, 600 V

Unshielded armoured control cables can be used for operation of control automation equipment. Interlocked armour replaces the use of conduit for mechanical protection. Cables can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cables are suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

Standards:



Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Jacket:

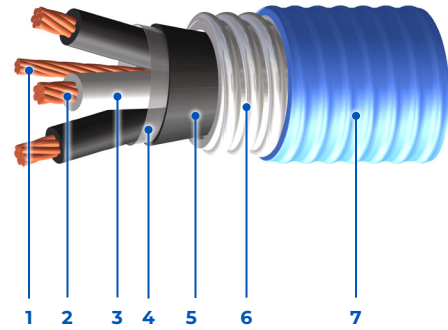
- FR LAG PVC (AG14 rated) inner black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer blue jacket rated: 90°C to -40°C

Available in:

- Ribbed inner-jacketed core for vertical/mineshaft applications
- Custom insulation/jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383 & 1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/105°C dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated
- HL rated for use in hazardous locations:
 - Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)



1 – Bonding Conductor

2 – Stranded Bare Copper Conductors (Tin-coated Available)

3 – XLPE (RW90 Rated) Insulated Conductors

4 – Polyester Separator Tape

5 – FR LAG PVC Inner Protective Jacket

6 – Aluminum Interlocked Armour (AIA)

7 – FR LAG PVC Outer Protective Jacket

600 V

Voltage

Optional:
300, 1000 V

CSA Type ACIC

ARMCON

Colour Coding

- First conductor white, all remaining conductors are black, number coded

CSA Armcon, Armoured, Multi-Conductor, 600 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
69210M160209714	2	16	16	0.326 8.3	0.566 14.4	0.678 17.2	185 276	10	41 19	12.2 310
69210M160309714	3	16	16	0.354 9.0	0.594 15.1	0.706 17.9	206 306	10	62 28	12.7 323
69210M160409714	4	16	16	0.384 9.7	0.624 15.8	0.736 18.7	227 338	8	82 37	13.2 336
69210M160509714	5	16	16	0.410 10.4	0.650 16.5	0.762 19.4	249 370	8	103 47	13.7 348
69210M160609714	6	16	16	0.446 11.3	0.686 17.4	0.798 20.3	273 406	8	124 56	14.4 365
69210M160709714	7	16	16	0.482 12.2	0.722 18.3	0.834 21.2	298 443	7	144 65	15.0 381
69210M160809714	8	16	16	0.545 13.9	0.785 19.9	0.897 22.8	345 513	7	165 75	16.1 410
69210M161009714	10	16	16	0.592 15.0	0.832 21.1	0.944 24.0	381 567	7	206 93	17.0 432
69210M161209714	12	16	16	0.610 15.5	0.850 21.6	0.962 24.4	410 610	7	247 112	17.3 440
69210M161509714	15	16	16	0.658 16.7	0.898 22.8	1.010 25.7	460 684	7	309 140	18.2 462
69210M162009714	20	16	16	0.748 19.0	0.988 25.1	1.100 27.9	554 824	7	412 187	19.8 503
69210M162509714	25	16	16	0.864 22.0	1.104 28.0	1.216 30.9	727 1082	6	515 234	21.9 556
69210M163009714	30	16	16	0.913 23.2	1.153 29.3	1.265 32.1	801 1192	6	618 280	22.8 578
69210M164009714	40	16	16	1.020 25.9	1.260 32.0	1.372 34.8	972 1447	6	824 374	24.7 627
69210M165009714	50	16	16	1.133 28.8	1.373 34.9	1.485 37.7	1135 1689	5	1030 467	26.7 679

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2 or Table 57. Values are corrected for number of insulated conductors as applicable according to Table 5C or Table 57.

CSA Type ACIC Armoured Fieldbus/Profibus PA, 300/600 V

Fieldbus is the Process Industries digital replacement for analog 4-20mA transmission of process variables. Depending mainly on the current requirement of each device, up to 32 sensors and actuators are possible on a Fieldbus link with a maximum transmission distance of 1900m.

Standards:



Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Jacket:

- FR PVC outer orange jacket (standard for Fieldbus) rated: 90°C to -40°C
- FR PVC outer purple jacket (standard for Profibus) rated: 90°C to -40°C
- Black with integral orange stripe (optional)
- Blue for Intrinsically Safe applications

Shielding (foil-free edge):

- ISOS

Armour:

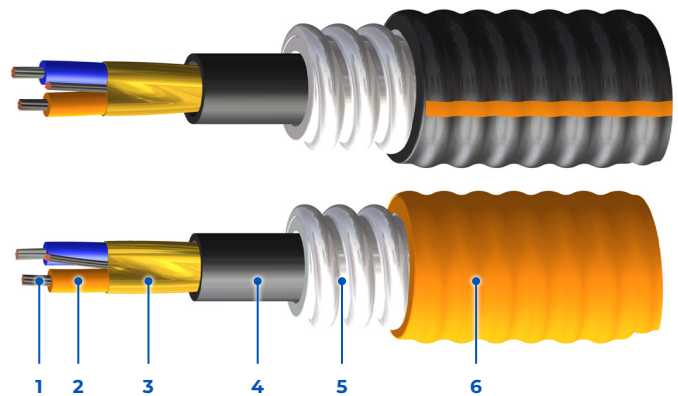
- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Available in:

- Custom insulation/jacket colours
- LSZH jacket

Certification/Compliances

- Foundation Fieldbus Spec. FF-844, Type "A", H1
- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/105°C dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated
- HL rated for use in hazardous locations:



1 – Stranded Tin-coated Copper Pairs

2 – XLPE (RW90 Rated) Insulated Pairs (standard)

3 – Individual Aluminum/Mylar Shield with Drain Wire Over Each Pair

4 – FR PVC Inner Protective Jacket

5 – Aluminum Interlocked Armour (AIA)

6 – FR PVC Outer Protective Jacket

- Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
- Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
- Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)
- HL-BCD gas groups rated

Colour Coding

- Blue and orange conductors (standard)

300 / 600 V

Voltage

CSA Type ACIC

Fieldbus/Profibus PA

CSA Type ACIC Armoured Fieldbus/Profibus PA, 300/600 V

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
			OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE			
		AWG	AWG	in. mm	in. mm	lb/1000ft kg/km	lb kg	in. mm
6F221M140115700	1	14	0.405 10.3	0.625 15.9	0.737 18.7	215 320	66 30	13.3 337
6F222M140215700	2	14	0.640 16.3	0.856 21.7	0.968 24.6	377 561	132 60	17.4 442
6F222M140415700	4	14	0.749 19.0	0.965 24.5	1.077 27.4	484 720	263 119	19.4 492
6F222M140615700	6	14	0.942 23.9	1.150 29.2	1.262 32.1	724 1077	395 179	22.7 577
6F222M141215700	12	14	1.245 31.6	1.453 36.9	1.565 39.8	1126 1675	790 358	28.2 716
6F222M142415700	24	14	1.796 45.6	2.061 52.4	2.193 55.7	2115 3148	1579 716	39.5 1003
6F221M160115700	1	16	0.347 8.8	0.567 14.4	0.679 17.3	182 271	41 19	12.2 310
6F222M160215700	2	16	0.514 13.1	0.734 18.7	0.846 21.5	289 429	82 37	15.2 387
6F222M160415700	4	16	0.632 16.1	0.848 21.5	0.960 24.4	387 575	165 75	17.3 439
6F222M160615700	6	16	0.756 19.2	0.972 24.7	1.084 27.5	499 743	247 112	19.5 496
6F222M161215700	12	16	1.042 26.5	1.250 31.8	1.362 34.6	866 1289	494 224	24.5 623
6F222M162415700	24	16	1.438 36.5	1.646 41.8	1.778 45.2	1446 2151	989 449	32.0 813
6F221M180115700	1	18	0.303 7.7	0.523 13.3	0.635 16.1	158 235	26 12	11.4 290
6F222M180215700	2	18	0.442 11.2	0.662 16.8	0.774 19.6	237 353	52 24	13.9 354
6F222M180415700	4	18	0.514 13.1	0.734 18.6	0.846 21.5	292 435	104 47	15.2 387
6F222M180615700	6	18	0.646 16.4	0.862 21.9	0.974 24.7	391 582	156 71	17.5 445
6F222M181215700	12	18	0.887 22.5	1.095 27.8	1.207 30.7	662 985	312 142	21.7 552
6F222M182415700	24	18	1.213 30.8	1.421 36.1	1.533 38.9	1042 1551	624 283	27.6 701
6F221M14011V700	1	14	0.405 10.3	0.625 15.9	0.737 18.7	215 320	66 30	13.3 337
6F222M14021V700	2	14	0.640 16.3	0.856 21.7	0.968 24.6	377 561	132 60	17.4 442
6F222M14041V700	4	14	0.749 19.0	0.965 24.5	1.077 27.4	484 720	263 119	19.4 492
6F222M14061V700	6	14	0.942 23.9	1.150 29.2	1.262 32.1	724 1077	395 179	22.7 577
6F222M14121V700	12	14	1.245 31.6	1.453 36.9	1.565 39.8	1126 1675	790 358	28.2 716
6F222M14241V700	24	14	1.796 45.6	2.061 52.4	2.193 55.7	2115 3148	1579 716	39.5 1003
6F221M16011V700	1	16	0.347 8.8	0.567 14.4	0.679 17.3	182 271	41 19	12.2 310
6F222M16021V700	2	16	0.514 13.1	0.734 18.7	0.846 21.5	289 429	82 37	15.2 387
6F222M16041V700	4	16	0.632 16.1	0.848 21.5	0.960 24.4	387 575	165 75	17.3 439
6F222M16061V700	6	16	0.756 19.2	0.972 24.7	1.084 27.5	499 743	247 112	19.5 496
6F222M16121V700	12	16	1.042 26.5	1.250 31.7	1.362 34.6	866 1289	494 224	24.5 623
6F222M16241V700	24	16	1.438 36.5	1.646 41.8	1.778 45.2	1446 2151	989 449	32.0 813
6F221M18011V700	1	18	0.303 7.7	0.523 13.3	0.635 16.1	158 235	26 12	11.4 290
6F222M18021V700	2	18	0.442 11.2	0.662 16.8	0.774 19.7	237 353	52 24	13.9 354
6F222M18041V700	4	18	0.514 13.1	0.734 18.6	0.846 21.4	292 435	104 47	15.2 387
6F222M18061V700	6	18	0.646 16.4	0.862 21.9	0.974 24.7	391 582	156 71	17.5 445
6F222M18121V700	12	18	0.887 22.5	1.095 27.8	1.207 30.7	662 985	312 142	21.7 552
6F222M18241V700	24	18	1.213 30.8	1.421 36.1	1.533 38.9	1042 1551	624 283	27.6 701

CSA Type CIC TC Tray Fieldbus/Profibus PA, 300/600 V

Fieldbus is the Process Industries digital replacement for analog 4-20mA transmission of process variables. Depending mainly on the current requirement of each device, up to 32 sensors and actuators are possible on a Fieldbus link with a maximum transmission distance of 1900m.

Standards:



Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Jacket:

- FR PVC outer orange jacket (standard for Fieldbus) rated: 90°C to -40°C
- FR PVC outer purple jacket (standard for Profibus) rated: 90°C to -40°C
- Black with integral orange stripe (optional)
- Blue for Intrinsically Safe applications

Shielding (foil-free edge):

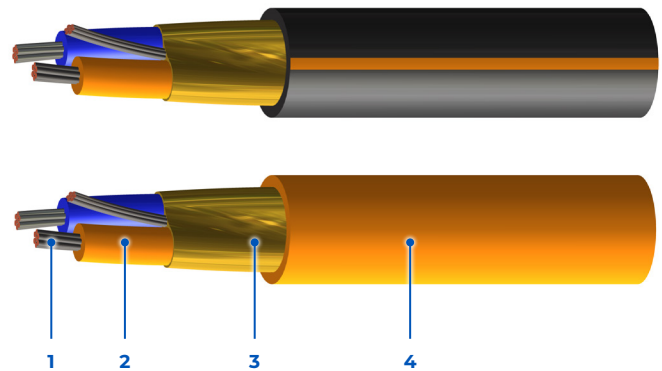
- ISOS (standard)
- OS (optional)

Available in:

- Custom insulation/jacket colours
- LSZH jacket

Certification/Compliances

- Foundation Fieldbus Spec. FF-844, Type "A", H1
- CSA C22.2 No. 230, Tray cables
- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/105°C dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated
- Rated for use in hazardous locations:



1 – Stranded Tin-coated Copper Pairs

2 – XLPE (RW90 Rated) Insulated Pairs (standard)

3 – Individual Aluminum/Mylar Shield with Drain Wire Over Each Pair

4 – FR PVC Outer Protective Jacket

- Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
- Zone 2 (Class I, Division 2)
- Zone 22 (Class II & III, Division 2)
- TC-BCD gas groups rated

Colour Coding

- Blue and orange conductors (standard)

300 / 600 V

Voltage

CSA Type CIC TC

Fieldbus/Profibus PA

CSA Type CIC TC Tray Fieldbus/Profibus PA, 300/600 V

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	in. / mm	lb/1000ft kg/km	lb kg	in. / mm
4F021M160115000	1	16	0.367 9.4	63 93	41 19	6.6 168
4F022M160215000	2	16	0.577 14.7	151 225	82 37	10.4 264
4F022M160415000	4	16	0.672 17.1	216 321	165 75	12.1 307
4F022M160615000	6	16	0.807 20.5	311 463	247 112	14.5 369
4F022M161215000	12	16	1.112 28.2	591 880	494 224	20.0 508
4F022M162415000	24	16	1.541 39.1	1076 1602	989 449	27.7 705
4F021M180115000	1	18	0.323 8.2	47 69	26 12	5.8 148
4F022M180215000	2	18	0.475 12.1	100 150	52 24	8.5 217
4F022M180415000	4	18	0.584 14.8	157 233	104 47	10.5 267
4F022M180615000	6	18	0.696 17.7	222 330	156 71	12.5 318
4F022M181215000	12	18	0.957 24.3	415 618	312 142	17.2 438
4F022M182415000	24	18	1.315 33.4	746 1110	624 283	23.7 601
4F021M16011V000	1	16	0.367 9.3	63 93	41 19	6.6 168
4F022M16021V000	2	16	0.577 14.7	151 225	82 37	10.4 264
4F022M16041V000	4	16	0.672 17.1	216 321	165 75	12.1 307
4F022M16061V000	6	16	0.807 20.5	311 463	247 112	14.5 369
4F022M16121V000	12	16	1.112 28.2	591 880	494 224	20.0 508
4F022M16241V000	24	16	1.541 39.1	1076 1602	989 449	27.7 705
4F021M18011V000	1	18	0.323 8.2	47 69	26 12	5.8 148
4F022M18021V000	2	18	0.475 12.1	100 150	52 24	8.5 217
4F022M18041V000	4	18	0.584 14.8	157 233	104 47	10.5 267
4F022M18061V000	6	18	0.696 17.7	222 330	156 71	12.5 318
4F022M18121V000	12	18	0.957 24.3	415 618	312 142	17.2 438
4F022M18241V000	24	18	1.315 33.4	746 1110	624 283	23.7 601

TRAY POWER/CONTROL

PROVIDING SAFE AND RELIABLE CONNECTION IN VARIOUS INDUSTRIAL AND UTILITY FACILITIES

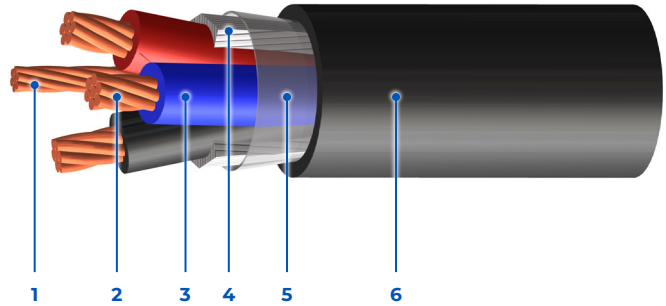
Providing safe and reliable connection in various industrial facilities, such as petrochemical, power generation, pulp and paper, mining, wastewater treatment, food processing and transportation. Providing a wide selection of shielding configurations including aluminum mylar tape, longitudinally corrugated copper tape, helical copper tape, etc.

TRAY POWER/CONTROL	28-41
CSA Type CIC RW90 TC Tray Control, Multi-Conductor, 600 V	29
CSA Type CIC RW90 TC Tray Power, Multi-Conductor, 1000 V	32
CSA Type RW90 TC Tray Power, Single Conductor, 1000 V	35
CSA Safe-T-Ground, Single Conductor, 1000 V	37
CSA Utility Power & Control, Multi-Conductor, 1000 V	40

CSA Type CIC RW90 TC Tray Control, Multi-Conductor, 600 V

Tray Control cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for concealed wiring in wet, damp or dry locations in -40°C (-40°F) environments. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



1 – Bonding Conductor

2 – Stranded Bare Copper Conductor (Tin-coated Available)

3 – XLPE (RW90 Rated) Insulated Conductors

4 – Polypropylene Fillers

5 – Polyester Separator Tape

6 – FR PVC Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Shielding (optional):

- Aluminum/mylar film
- Copper tape, helical or corrugated
- Tin-coated copper braid

Jacket:

- FR PVC outer black jacket rated: 90°C to -40°C

Available in:

- Custom insulation/jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 230, Tray cables
- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/105°C dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated

- -40°C cold bend/impact rated
- Rated for use in hazardous locations:
 - Zone 0 (Class I, Division 1) (Intrinsically circuits cables only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C or greater – Black, number-coded with white ink

600 V

Voltage
(Optional:
300, 1000, 2000 V)

CSA Type CIC RW90 TC

Control

Note:

- Type CIC and 105°C insulation temperature dry rating applicable to 20 - 4/0 AWG copper conductor sizes, in 300, 600, and 1000 V. In all other constructions, the insulation temperature dry rating is 90°C.
- Type RW90 applicable to 14 AWG - 2000 kcmil copper conductor sizes, in 600, 1000, and 2000 V.

CSA Type CIC RW90 TC Tray Control, Multi-Conductor, 600 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	AWG	in. / mm	lb/1000ft / kg/km	30°C ambient	lb / kg	in. / mm
4C010M140200000	2	14	14	0.372 9.5	82 122	25	66 30	3.3 85
4C010M140300000	3	14	14	0.403 10.2	100 149	25	99 45	3.6 92
4C010M140400000	4	14	14	0.436 11.1	122 182	20	132 60	3.9 100
4C010M140500000	5	14	14	0.465 11.8	140 208	20	165 75	4.2 106
4C010M140600000	6	14	14	0.505 12.8	163 243	20	197 90	4.5 115
4C010M140700000	7	14	14	0.575 14.6	202 300	17.5	230 104	5.2 131
4C010M140800000	8	14	14	0.616 15.7	227 338	17.5	263 119	5.5 141
4C010M141000000	10	14	14	0.668 17.0	265 394	17.5	329 149	6.0 153
4C010M141200000	12	14	14	0.688 17.5	300 446	17.5	395 179	6.2 157
4C010M141400000	14	14	14	0.722 18.4	341 508	17.5	461 209	6.5 165
4C010M141500000	15	14	14	0.741 18.8	361 537	17.5	494 224	6.7 169
4C010M142000000	20	14	14	0.841 21.4	462 688	17.5	658 298	7.6 192
4C010M142500000	25	14	14	0.974 24.7	599 891	15	823 373	8.8 223
4C010M143000000	30	14	14	1.028 26.1	690 1027	15	987 448	9.3 235
4C010M144000000	40	14	14	1.147 29.1	889 1324	15	1316 597	10.3 262
4C010M145000000	50	14	14	1.272 32.3	1082 1609	12.5	1645 746	11.4 291
4R010M120200000	2	12	14	0.408 10.4	104 154	20	104 47	3.7 93
4R010M120300000	3	12	14	0.443 11.3	132 196	20	157 71	4.0 101
4R010M120400000	4	12	14	0.480 12.2	160 239	16	209 95	4.3 110
4R010M120500000	5	12	14	0.514 13.1	192 285	16	261 118	4.6 117
4R010M120600000	6	12	14	0.589 15.0	240 358	16	313 142	5.3 135
4R010M120700000	7	12	14	0.634 16.1	275 410	14	365 166	5.7 145
4R010M120800000	8	12	14	0.681 17.3	304 453	14	418 189	6.1 156
4R010M121000000	10	12	14	0.740 18.8	359 535	14	522 237	6.7 169
4R010M121200000	12	12	14	0.763 19.4	413 615	14	626 284	6.9 174
4R010M121400000	14	12	14	0.802 20.4	469 698	14	731 331	7.2 183
4R010M121500000	15	12	14	0.823 20.9	498 741	14	783 355	7.4 188
4R010M122000000	20	12	14	0.976 24.8	677 1008	14	1044 474	8.8 223
4R010M122500000	25	12	14	1.082 27.5	830 1235	12	1305 592	9.7 247
4R010M123000000	30	12	14	1.144 29.1	962 1432	12	1566 710	10.3 261
4R010M124000000	40	12	14	1.278 32.5	1251 1861	12	2088 947	11.5 292
4R010M124000000	40	12	14	1.278 32.5	1251 1861	12	2088 947	11.5 292
4R010M125000000	50	12	14	1.420 36.1	1530 2277	10	2610 1184	12.8 325

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2 or Table 57. Values are corrected for number of insulated conductors as applicable according to Table 5C or Table 57.

CSA Type CIC RW90 TC Tray Control, Multi-Conductor, 600 V

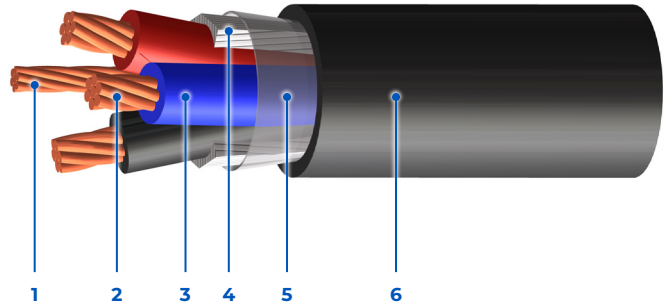
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	AWG	in. / mm	lb/1000ft / kg/km	30°C ambient	lb / kg	in. / mm
4R010M100200000	2	10	12	0.458 11.6	144 215	30	166 75	4.1 105
4R010M100300000	3	10	12	0.498 12.7	184 275	30	249 113	4.5 114
4R010M100400000	4	10	12	0.572 14.5	245 365	24	332 151	5.2 131
4R010M100500000	5	10	12	0.611 15.5	288 429	24	415 188	5.5 140
4R010M100600000	6	10	12	0.664 16.9	338 503	24	498 226	6.0 152
4R010M100700000	7	10	12	0.717 18.2	388 578	21	581 264	6.5 164
4R010M100800000	8	10	12	0.771 19.6	433 645	21	664 301	6.9 176
4R010M101000000	10	10	12	0.840 21.3	514 764	21	830 376	7.6 192
4R010M101200000	12	10	12	0.906 23.0	624 928	21	996 452	8.2 207
4R010M101400000	14	10	12	0.952 24.2	712 1060	21	1162 527	8.6 218
4R010M101500000	15	10	12	0.977 24.8	755 1124	21	1245 565	8.8 223
4R010M102500000	25	10	12	1.232 31.3	1197 1781	18	2075 941	11.1 282
4R010M103000000	30	10	12	1.304 33.1	1398 2080	18	2490 1129	11.7 298
4R010M104000000	40	10	12	1.461 37.1	1824 2714	18	3320 1506	13.1 334
4R010M105000000	50	10	12	1.626 41.3	2238 3330	15	4150 1882	14.6 372

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2 or Table 57. Values are corrected for number of insulated conductors as applicable according to Table 5C or Table 57.

CSA Type CIC RW90 TC Tray Power, Multi-Conductor, 1000 V

Tray Power cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for concealed wiring in wet, damp or dry locations in -40°C (-40°F) environments. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



- 1 – Bonding Conductor
- 2 – Stranded Bare Copper Conductors (Tin-coated Available)
- 3 – XLPE (RW90 Rated) Insulated Conductors

- 4 – Polypropylene Fillers
- 5 – Polyester Separator Tape
- 6 – FR PVC Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Shielding (optional):

- Aluminum/mylar film
- Copper tape, helical or corrugated
- Tin-coated copper braid

Jacket:

- FR PVC outer black jacket rated: 90°C to -40°C

Available in:

- Custom insulation/jacket colours
- Composite constructions
- Aluminum conductors

Certification/Compliances

- CSA C22.2 No. 230, Tray cables
- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/105°C dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated

- -40°C cold bend/impact rated
- Rated for use in hazardous locations:
 - Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C or greater – Black, number-coded with white ink

1000 V

Voltage
(Optional:
600, 2000 V)

CSA Type CIC RW90 TC

Power

Note:

- Type CIC and 105°C insulation temperature dry rating applicable to 20 - 4/0 AWG copper conductor sizes, in 300, 600, and 1000 V. In all other constructions, the insulation temperature dry rating is 90°C.
- Type RW90 applicable to 14 AWG - 2000 kcmil copper conductor sizes, in 600, 1000, and 2000 V.

CSA Type CIC RW90 TC Tray Power, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG or kcmil	AWG	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
4D010M140200000	2	14	14	0.432 11.0	97 144	25	66 30	3.9 99
4S010M120200000	2	12	14	0.468 11.9	120 179	30	104 47	4.2 107
4S010M100200000	2	10	12	0.518 13.2	162 241	40	166 75	4.7 118
4D010M080200000	2	8	10	0.606 15.4	245 364	55	265 120	5.5 139
4D010M060200000	2	6	8	0.744 18.9	371 552	75	419 190	6.7 170
4D010M040200000	2	4	8	0.838 21.3	502 747	95	668 303	7.5 192
4D010M030200000	2	3	6	0.932 23.7	654 973	115	842 382	8.4 213
4D010M020200000	2	2	6	0.994 25.3	763 1135	130	1062 482	8.9 227
4D010M010240000	2	1	6	1.152 29.3	959 1427	145	1339 607	10.4 263
4D010M1/0240000	2	1/0	6	1.232 31.3	1120 1667	170	1690 766	11.1 282
4D010M2/0240000	2	2/0	6	1.318 33.5	1338 1992	195	2130 966	11.9 301
4D010M3/0240000	2	3/0	4	1.420 36.1	1648 2452	225	2671 1212	12.8 325
4D010M4/0240000	2	4/0	4	1.532 38.9	1987 2957	260	3386 1536	13.8 350
4D010M250260000	2	250	4	1.664 42.3	2290 3408	290	4000 1814	15.0 380
4D010M300260000	2	300	4	1.830 46.5	2762 4110	320	4800 2177	16.5 418
4D010M350260000	2	350	3	1.930 49.0	3175 4725	350	5600 2540	17.4 441
4D010M500260000	2	500	3	2.186 55.5	4284 6375	430	8000 3629	19.7 500
4D010M750260000	2	750	2	2.544 64.6	6150 9152	535	12000 5443	22.9 582
4D010M140300000	3	14	14	0.470 11.9	119 177	25	99 45	4.2 107
4S010M120300000	3	12	14	0.510 13.0	152 226	30	157 71	4.6 117
4S010M100300000	3	10	12	0.595 15.1	223 332	40	249 113	5.4 136
4D010M080300000	3	8	10	0.660 16.8	313 466	55	397 180	5.9 151
4D010M060300000	3	6	8	0.813 20.7	481 716	75	629 285	7.3 186
4D010M040300000	3	4	8	0.930 23.6	693 1032	95	1002 454	8.4 213
4D010M030300000	3	3	6	0.988 25.1	845 1258	115	1263 573	8.9 226
4D010M020300000	3	2	6	1.055 26.8	1005 1496	130	1593 723	9.5 241
4D010M010340000	3	1	6	1.225 31.1	1264 1882	145	2009 911	11.0 280
4D010M1/0340000	3	1/0	6	1.311 33.3	1498 2230	170	2534 1150	11.8 300
4D010M2/0340000	3	2/0	6	1.403 35.7	1802 2681	195	3194 1449	12.6 321
4D010M3/0340000	3	3/0	4	1.513 38.4	2239 3333	225	4007 1818	13.6 346
4D010M4/0340000	3	4/0	4	1.633 41.5	2727 4058	260	5078 2304	14.7 373

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type CIC RW90 TC Tray Power, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG or kcmil	AWG	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
4D010M250360000	3	250	4	1.835 46.6	3238 4818	290	6000 2722	16.5 420
4D010M300360000	3	300	4	1.949 49.5	3775 5618	320	7200 3266	17.5 446
4D010M350360000	3	350	3	2.057 52.2	4355 6481	350	8400 3810	18.5 470
4D010M500360000	3	500	3	2.332 59.2	5940 8839	430	12000 5443	21 533
4D010M750360000	3	750	3	2.717 69.0	8586 12778	535	18000 8165	24.5 621
4D010M140400000	4	14	14	0.510 13.0	143 213	20	132 60	4.6 117
4S010M120400000	4	12	14	0.585 14.9	202 301	24	209 95	5.3 134
4S010M100400000	4	10	12	0.647 16.4	274 407	32	332 151	5.8 148
4D010M080400000	4	8	10	0.719 18.3	386 574	44	529 240	6.5 164
4D010M060400000	4	6	8	0.929 23.6	631 939	60	839 380	8.4 212
4D010M040400000	4	4	8	1.045 26.6	872 1298	76	1336 606	9.4 239
4D010M030400000	4	3	6	1.112 28.3	1069 1590	92	1684 764	10.0 254
4D010M020400000	4	2	6	1.189 30.2	1280 1904	104	2124 964	10.7 272
4D010M010440000	4	1	6	1.351 34.3	1614 2402	116	2678 1215	12.2 309
4D010M1/0440000	4	1/0	6	1.448 36.8	1911 2844	136	3379 1533	13.0 331
4D010M2/0440000	4	2/0	6	1.551 39.4	2339 3481	156	4259 1932	14.0 355
4D010M3/0440000	4	3/0	4	1.674 42.5	2877 4282	180	5343 2423	15.1 383
4D010M4/0440000	4	4/0	4	1.869 47.5	3632 5405	208	6771 3071	16.8 427
4D010M250460000	4	250	4	2.028 51.5	4174 6212	232	8000 3629	18.3 464
4D010M300460000	4	300	4	2.156 54.8	4899 7290	256	9600 4355	19.4 493
4D010M350460000	4	350	3	2.276 57.8	5627 8374	280	11200 5080	20.5 520
4D010M500460000	4	500	3	2.585 65.7	7737 11514	344	16000 7258	23.3 591
4D010M750460000	4	750	2	3.076 78.1	11373 16925	428	24000 10886	27.7 703

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type RW90 TC Tray Power, Single Conductor, 1000 V

Tray Power cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for concealed wiring in wet, damp or dry locations in -40°C (-40°F) environments. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Jacket:

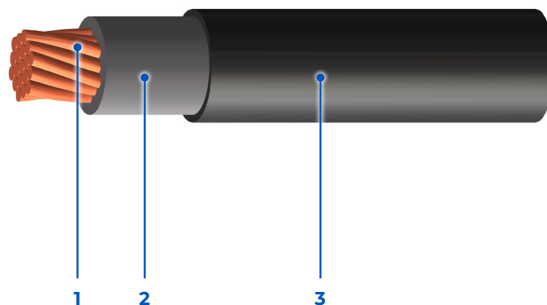
- FR PVC outer black jacket rated: 90°C to -40°C

Available in:

- Custom insulation/jacket colours
- Aluminum conductors

Certification/Compliances

- CSA C22.2 No. 230, Tray cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Oil resistant "PR I" and "OIL RES"
- Direct burial rated
- -40°C cold bend/impact rated
- Rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – XLPE (RW90 Rated) Insulated Conductor

3 – FR PVC Outer Protective Jacket

1000 V

Voltage

Optional:
600, 2000 V

CSA Type RW90 TC

Power

Colour Coding

- Black conductor (standard)

CSA Type RW90 TC Tray Power, Single Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
		<i>AWG or kcmil</i>	<i>in. mm</i>	<i>lb 1000ft kg km</i>	<i>30°C ambient</i>	<i>lb kg</i>	<i>in. mm</i>
4D010M1/0140000	1	1/0	0.628 16.0	443 659	260	845 383	5.7 144
4D010M2/0140000	1	2/0	0.671 17.0	539 803	300	1065 483	6.0 153
4D010M3/0140000	1	3/0	0.722 18.3	661 984	350	1336 606	6.5 165
4D010M4/0140000	1	4/0	0.778 19.8	812 1209	405	1693 768	7.0 178
4D010M250160000	1	250	0.884 22.5	975 1450	455	2000 907	8.0 202
4D010M300160000	1	300	0.937 23.8	1145 1704	500	2400 1089	8.4 214
4D010M350160000	1	350	0.987 25.1	1316 1958	570	2800 1270	8.9 226
4D010M500160000	1	500	1.115 28.3	1819 2707	700	4000 1814	10.0 255
4D010M750160000	1	750	1.294 32.9	2650 3944	885	6000 2722	11.6 296
4D010MA00160000	1	1000	1.443 36.7	3459 5147	1055	8000 3629	13.0 330

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 1.

CSA Safe-T-Ground, Single Conductor, 1000 V

Tray Grounding cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for concealed wiring in wet, damp or dry locations in -40°C (-40°F) environments. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Jacket:

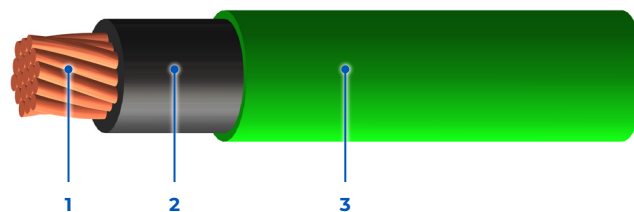
- FR PVC outer green jacket rated: 90°C to -40°C

Available in:

- Custom insulation/jacket colours
- Aluminum conductors
- Solid green or green dual yellow SAFE-T-STRIPES for instrumentation/isolated grounding identification

Certification/Compliances

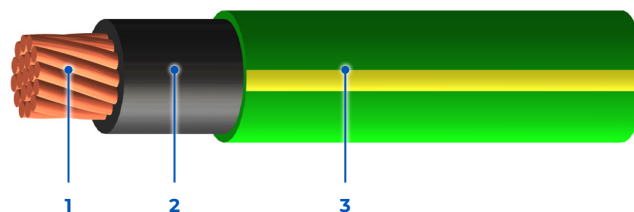
- CSA C22.2 No. 230, Tray cables †
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Oil resistant "PR I" and "OIL RES", †
- Direct burial rated†
- -40°C cold bend/impact rated



Green Conductor

- 1 – Stranded Bare Copper Conductors (Tin-coated Available)

- 2 – XLPE (RW90 Rated) Insulated Conductor
- 3 – FR PVC Outer Green Protective jacket



Safe-T-Stripes Conductor

- 1 – Stranded Bare Copper Conductors (Tin-coated Available)

- 2 – XLPE (RW90 Rated) Insulated Conductor
- 3 – FR PVC Outer Green with Dual Yellow SAFE-T-STRIPES Protective Jacket

- Rated for use in hazardous locations †:

- Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
- Zone 2 (Class I, Division 2)
- Zone 22 (Class II & III, Division 2)

Colour Coding

- Black conductor (standard)

1000 V

Voltage
(Optional:
600, 2000 V)

CSA Type RW90 TC

Grounding

† Type TC, OILRES, Direct Burial rating, and referenced hazardous locations usage are only applicable to conductor sizes 1/0 AWG and larger.

CSA Safe-T-Ground Single Conductor, 1000 V

Green Conductor

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG or kcmil	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
4D010M08010G000	1	8	0.307 7.8	82 122	80	132 60	2.8 70
4D010M06010G000	1	6	0.374 9.5	126 188	105	210 95	3.4 85
4D010M04010G000	1	4	0.421 10.7	182 271	140	334 151	3.8 96
4D010M03010G000	1	3	0.448 11.4	221 329	165	421 191	4.0 102
4D010M02010G000	1	2	0.479 12.2	269 400	190	531 241	4.3 109
4D010M01014G000	1	1	0.588 14.9	364 542	220	670 304	5.3 134
4D010M1/014G000	1	1/0	0.628 16.0	443 659	260	845 383	5.7 144
4D010M2/014G000	1	2/0	0.671 17.0	539 803	300	1065 483	6.0 153
4D010M3/014G000	1	3/0	0.722 18.3	661 984	350	1336 606	6.5 165
4D010M4/014G000	1	4/0	0.778 19.8	0.778 19.8	405	1693 768	7.0 178
4D010M25016G000	1	250	0.884 22.5	0.884 22.5	455	2000 907	8.0 202
4D010M35016G000	1	350	0.987 25.1	0.987 25.1	570	2800 1270	8.9 226
4D010M50016G000	1	500	1.115 28.3	1.115 28.3	700	4000 1814	10.0 255
4D010M75016G000	1	750	1.294 32.0	1.294 32.0	885	6000 2722	11.6 296

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 1.

CSA Safe-T-Ground Single Conductor, 1000 V

Safe-T-Stripes Conductor

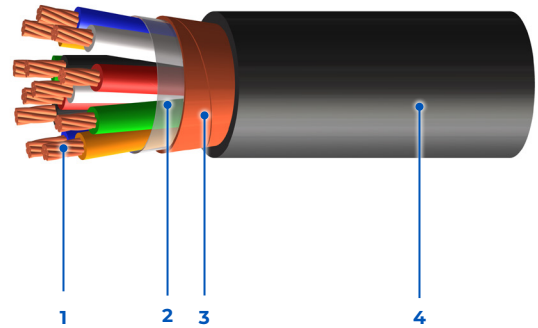
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG or kcmil	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
4D010M08010G00Y	1	8	0.307 7.8	82 123	80	132 60	2.8 70
4D010M06010G00Y	1	6	0.374 9.5	126 188	105	210 95	3.4 85
4D010M04010G00Y	1	4	0.421 10.7	183 272	140	334 151	3.8 96
4D010M03010G00Y	1	3	0.448 11.4	221 329	165	421 191	4.0 102
4D010M02010G00Y	1	2	0.479 12.2	269 401	190	531 241	4.3 109
4D010M01014G00Y	1	1	0.588 14.9	365 543	220	670 304	5.3 134
4D010M1/014G00Y	1	1/0	0.628 16.0	443 659	260	845 383	5.7 144
4D010M2/014G00Y	1	2/0	0.671 17.0	540 804	300	1065 483	6.0 153
4D010M3/014G00Y	1	3/0	0.722 18.3	662 985	350	1336 606	6.5 165
4D010M4/014G00Y	1	4/0	0.778 19.8	813 1210	405	1693 768	7.0 178
4D010M25016G00Y	1	250	0.884 22.5	976 1452	455	2000 907	8.0 202
4D010M35016G00Y	1	350	0.987 25.1	1317 1960	570	2800 1270	8.9 226
4D010M50016G00Y	1	500	1.115 28.3	1821 2709	700	4000 1814	10.0 255
4D010M75016G00Y	1	750	1.294 32.9	2652 3946	885	6000 2722	11.6 296

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 1.

CSA Utility Power & Control, Tray Multi-Conductor, 1000 V

Utility cables are the ideal choice for applications that require an extra level of durability and noise protection in Utility applications.

Standards:



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – XLPE (RW90 Rated) Insulated Conductors

3 – Bare Copper Tape Shield

4 – FR PVC Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Shielding:

- Copper tape shield (standard)
- Available in various configurations

Jacket:

- FR PVC outer black jacket rated: 90°C to -40°C

Available in:

- Custom insulation/jacket colours
- LSZH Jacket
- Conductor, pairs & triads, composite constructions

Certification/Compliances

- CSA C22.2 No. 230, Tray cables
- C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset Insulated Wires & Cables (XLPE)
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- - 40°C cold bend/impact rated
- Rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)

1000 V

Voltage

Optional:

300, 600, 2000 V

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue and white
- 5C or greater – Black, number-coded with white ink (colour coding available)

Note:

- Type CIC and 105°C insulation temperature dry rating applicable to 20 - 4/0 AWG copper conductor sizes, in 300, 600, and 1000 V. In all other constructions, the insulation temperature dry rating is 90°C.
- Type RW90 applicable to 14 AWG - 2000 kcmil copper conductor sizes, in 600, 1000, and 2000 V.

CSA Type CIC RW90 TC

Power & Control

CSA Utility Power & Control, Tray Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
		<i>AWG or kcmil</i>	<i>AWG</i>	<i>in. mm</i>	<i>lb/1000ft kg/km</i>	<i>30°C ambient</i>	<i>lb kg</i>	<i>in. mm</i>
4D01HM140300000	3	14	14	0.494 12.5	161 239	25	99 45	8.9 226
4D01HM120300000	3	12	12	0.564 14.3	218 325	30	157 71	10.1 258
4D01HM100300000	3	10	10	0.619 15.7	287 427	40	249 113	11.1 283
4D01HM080300000	3	8	10	0.684 17.4	375 558	55	397 180	12.3 313
4D01HM060300000	3	6	8	0.833 21.2	558 831	75	629 285	15.0 381
4D01HM040300000	3	4	8	0.950 24.1	782 1164	95	1002 454	17.1 435
4D01HM020300000	3	2	6	1.075 27.3	1112 1654	130	1593 723	19.4 492
4D01HM010340000	3	1	6	1.245 31.6	1392 2072	145	2009 911	22.4 569
4D01HM1/0340000	3	1/0	6	1.331 33.8	1639 2439	170	2534 1150	24.0 608
4D01HM2/0340000	3	2/0	6	1.423 36.2	1957 2912	195	3194 1449	25.6 651
4D01HM3/0340000	3	3/0	4	1.533 38.9	2413 3592	225	4007 1818	27.6 701
4D01HM4/0340000	3	4/0	4	1.653 42.0	2922 4349	260	5078 2304	29.8 756
4D01HM250360000	3	250	4	1.855 47.1	3455 5141	290	6000 2722	33.4 848
4D01HM350360000	3	350	3	2.077 52.8	4615 6868	350	8400 3810	37.4 950
4D01HM500360000	3	500	3	2.352 59.7	6257 9311	430	12000 5443	42.3 1075
4D01HM750360000	3	750	2	2.737 69.5	8992 13381	535	18000 8165	49.3 1251

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

TECK 90 POWER/ CONTROL

PROVIDING ALUMINUM INTERLOCKED ARMOUR (AIA), AND STEEL INTERLOCKED ARMOUR (SIA) FOR HARSH ENVIRONMENTS

Prefabricated electrical assembly offers fewer installation steps, dramatically reducing installation time and cost. Eliminate the use of costly conduit or burial piping. Ready to install as soon as it arrives at the job site, instead of separately shipping and assembling traditional conduit and cables. Aluminum interlock armour provides great flexibility, impact and abrasion-resistance during transportation and installation, ensuring your cables never get crushed or damaged. The extra inner jacket provides significant protection against corrosive gases, liquids and vapors which could penetrate under the armour in hazardous conditions. This added protection makes this cable ideal for protecting your personnel and electronic equipment in hazardous conditions.

TECK 90 POWER/CONTROL.....	42-67
CSA Type TECK 90 Armoured Control, Multi-Conductor, 600 V	43
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CSA Type TECK 90 Armoured Control, Multi-Conductor, 600 V

Armoured control cable is used for operation of control automation equipment. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

Standards:



Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Jacket:

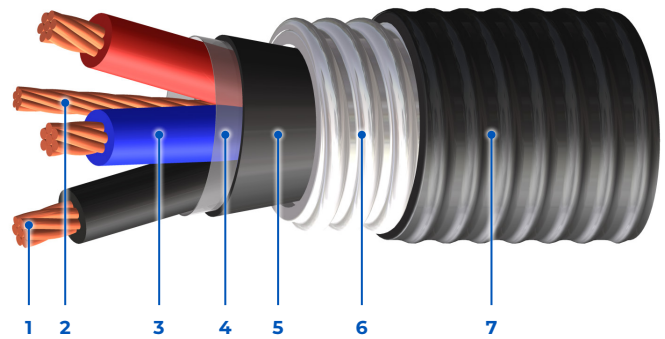
- FR LAG PVC (AG14 rated) inner/outer black jacket rated: 90°C to -40°C

Available in:

- Variable Frequency Drive (VFD)
- Ribbed inner-jacketed core for vertical/mineshaft applications
- Custom insulation/jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – Bonding Conductor

3 – XLPE (RW90 Rated) Insulated Conductors

4 – Polyester Separator Tape

5 – FR LAG PVC Inner Protective Jacket

6 – Aluminum Interlocked Armour (AIA)

7 – FR LAG PVC Outer Protective Jacket

- HL rated for use in hazardous locations:
 - Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater – Black, number-coded with white ink

600 V

Voltage
(Optional: 1000 V)

CSA Type TECK 90

Control

CSA Type TECK 90 Armoured Control, Multi-Conductor, 600 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
86210M140200700	2	14	14	0.372 9.5	0.612 15.5	0.704 17.9	206 307	25	66 30	12.7 322
86210M140300700	3	14	14	0.403 10.2	0.643 16.3	0.735 18.7	233 346	25	99 45	13.2 336
86210M140400700	4	14	14	0.436 11.1	0.676 17.2	0.768 19.5	262 390	20	132 60	13.8 351
86210M140500700	5	14	14	0.465 11.8	0.705 17.9	0.797 20.3	287 428	20	165 75	14.3 364
86210M140600700	6	14	14	0.505 12.8	0.745 18.9	0.837 21.3	319 474	20	197 90	15.1 383
86210M140700700	7	14	14	0.575 14.6	0.815 20.7	0.907 23.0	372 553	17.5	230 104	16.3 415
86210M140800700	8	14	14	0.616 15.7	0.856 21.7	0.948 24.1	407 605	17.5	263 119	17.1 433
86210M141000700	10	14	14	0.668 17.0	0.908 23.1	1.000 25.4	454 676	17.5	329 149	18.0 457
86210M141200700	12	14	14	0.688 17.5	0.928 23.6	1.020 25.9	494 735	17.5	395 179	18.4 466
86210M141500700	15	14	14	0.741 18.8	0.981 24.9	1.073 27.3	565 841	17.5	494 224	19.3 491
86210M142000700	20	14	14	0.841 21.4	1.081 27.5	1.173 29.8	732 1089	17.5	658 298	21.1 536
86210M142500700	25	14	14	0.974 24.7	1.214 30.8	1.306 33.2	902 1342	15	823 373	23.5 597
86210M143000700	30	14	14	1.028 26.1	1.268 32.2	1.360 34.6	1007 1499	15	987 448	24.5 622
86210M144000700	40	14	14	1.147 29.1	1.387 35.2	1.479 37.6	1231 1832	15	1316 597	26.6 676
86210M145000700	50	14	14	1.272 32.3	1.512 38.4	1.604 40.7	1451 2159	12.5	1645 746	28.9 733
86210M120200700	2	12	14	0.408 10.4	0.648 16.5	0.740 18.8	234 349	30	104 47	13.3 338
86210M120300700	3	12	14	0.443 11.3	0.683 17.3	0.775 19.7	270 402	30	157 71	13.9 354
86210M120400700	4	12	14	0.480 12.2	0.720 18.3	0.813 20.6	308 458	24	209 95	14.6 371
86210M120500700	5	12	14	0.514 13.1	0.754 19.1	0.846 21.5	345 513	24	261 118	15.2 387
86210M120600700	6	12	14	0.589 15.0	0.829 21.1	0.921 23.4	409 609	24	313 142	16.6 421
86210M120700700	7	12	14	0.634 16.1	0.874 22.2	0.966 24.5	454 676	21	365 166	17.4 442
86210M120800700	8	12	14	0.681 17.3	0.921 23.4	1.013 25.7	498 741	21	418 189	18.2 463
86210M121000700	10	12	14	0.740 18.8	0.980 24.9	1.072 27.2	566 842	21	522 237	19.3 490
86210M121200700	12	12	14	0.763 19.4	0.983 25.0	1.075 27.3	663 986	21	626 284	19.3 491
86210M121500700	15	12	14	0.823 20.9	1.063 27.0	1.155 29.3	765 1138	21	783 355	20.8 528
86210M122000700	20	12	14	0.976 24.8	1.216 30.9	1.308 33.2	984 1465	21	1044 474	23.5 598
86210M122500700	25	12	14	1.082 27.5	1.322 33.6	1.414 35.9	1161 1728	18	1305 592	25.5 646
86210M123000700	30	12	14	1.144 29.1	1.384 35.2	1.476 37.5	1309 1948	18	1566 710	26.6 675
86210M124000700	40	12	14	1.278 32.5	1.518 38.6	1.610 40.9	1624 2417	18	2088 947	29.0 736
86210M125000700	50	12	14	1.420 36.1	1.660 42.2	1.768 44.9	1959 2915	15	2612 1185	31.8 808

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type TECK 90 Armoured Control, Multi-Conductor, 600 V

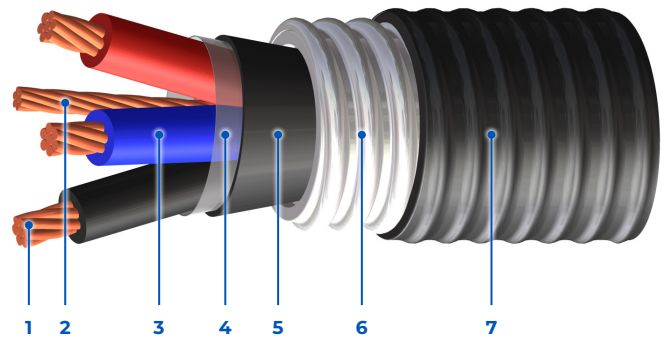
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
86210M100200700	2	10	12	0.458 11.6	0.698 17.7	0.790 20.1	284 422	40	166 75	14.2 361
86210M100300700	3	10	12	0.498 12.7	0.739 18.8	0.831 21.1	335 498	40	249 113	14.9 380
86210M100400700	4	10	12	0.572 14.5	0.812 20.6	0.905 23.0	410 610	32	332 151	16.3 414
86210M100500700	5	10	12	0.611 15.5	0.851 21.6	0.943 24.0	462 668	32	415 188	17.0 431
86210M100600700	6	10	12	0.664 16.9	0.904 23.0	0.996 25.3	523 778	32	498 226	17.9 455
86210M100700700	7	10	12	0.717 18.2	0.957 24.3	1.049 26.6	583 868	28	581 264	18.9 480
86210M100800700	8	10	12	0.771 19.6	0.991 25.2	1.083 27.5	686 1021	28	664 301	19.5 495
86210M101000700	10	10	12	0.840 21.3	1.080 27.4	1.172 29.8	788 1172	28	830 376	21.1 536
86210M101200700	12	10	12	0.906 23.0	1.146 29.1	1.238 31.5	916 1363	28	996 452	22.3 566
86210M101500700	15	10	12	0.977 24.8	1.217 30.9	1.309 33.2	1065 1585	28	1245 565	23.6 598
86210M102000700	20	10	12	1.109 28.2	1.349 34.3	1.441 36.6	1314 1955	28	1660 753	25.9 659
86210M102500700	25	10	12	1.232 31.3	1.472 37.4	1.564 39.7	1564 2328	24	2075 941	28.2 715
86210M103000700	30	10	12	1.304 33.1	1.544 39.2	1.652 42.0	1806 2687	24	2490 1129	29.7 755
86210M104000700	40	10	12	1.461 37.1	1.701 43.2	1.809 45.9	2265 3370	24	3320 1506	32.6 827
86210M105000700	50	10	12	1.626 41.3	1.931 49.1	2.039 51.8	2803 4171	20	4150 1882	36.7 932

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type TECK 90 Armoured Control, Multi-Conductor, 1000 V

Armoured control cable is used for operation of control automation equipment. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

Standards:



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – Bonding Conductor

3 – XLPE (RW90 Rated) Insulated Conductors

4 – Polyester Separator Tape

5 – FR LAG PVC Inner Protective Jacket

6 – Aluminum Interlocked Armour (AIA)

7 – FR LAG PVC Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Jacket:

- FR LAG PVC (AG14 rated) inner/outer black jacket rated: 90°C to -40°C

Available in:

- Variable Frequency Drive (VFD)
- Ribbed inner-jacketed core for vertical/mineshaft applications
- Custom insulation/jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated

- HL rated for use in hazardous locations:

- Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
- Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
- Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater – Black, number-coded with white ink

1000 V

Voltage
(Optional: 600 V)

CSA Type TECK 90

Control

CSA Type TECK 90 Armoured Control, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
80210M140200700	2	14	14	0.432 11.0	0.672 17.1	0.764 19.4	231 344	25	66 30	13.8 349
80210M140300700	3	14	14	0.470 11.9	0.710 18.0	0.802 20.4	262 391	25	99 45	14.4 366
80210M140400700	4	14	14	0.510 13.0	0.750 19.1	0.842 21.4	298 444	20	132 60	15.2 385
80210M140500700	5	14	14	0.576 14.6	0.816 20.7	0.908 23.1	351 523	20	165 75	16.3 415
80210M140600700	6	14	14	0.625 15.9	0.865 22.0	0.957 24.3	388 577	20	197 90	17.2 438
80210M140700700	7	14	14	0.674 17.1	0.914 23.2	1.006 25.6	428 637	17.5	230 104	18.1 460
80210M140800700	8	14	14	0.724 18.4	0.964 24.5	1.056 26.8	472 702	17.5	263 119	19.0 483
80210M141000700	10	14	14	0.788 20.0	1.028 26.1	1.120 28.5	573 853	17.5	329 149	20.2 512
80210M141200700	12	14	14	0.813 20.6	1.053 26.7	1.145 29.1	620 923	17.5	395 179	20.6 523
80210M141500700	15	14	14	0.918 23.3	1.158 29.4	1.250 31.7	749 1115	17.5	494 224	22.5 571
80210M142000700	20	14	14	1.040 26.4	1.280 32.5	1.372 34.9	904 1345	17.5	658 298	24.7 627
80210M142500700	25	14	14	1.154 29.3	1.394 35.4	1.486 37.7	1058 1575	15	823 373	26.7 679
80210M143000700	30	14	14	1.221 31.0	1.461 37.1	1.553 39.4	1177 1751	15	987 448	28.0 710
80210M144000700	40	14	14	1.366 34.7	1.606 40.8	1.714 43.5	1471 2188	15	1316 597	30.9 784
80210M145000700	50	14	14	1.519 38.6	1.759 44.7	1.867 47.4	1729 2573	12.5	1645 746	33.6 854
80210M120200700	2	12	14	0.468 11.9	0.708 18.0	0.800 20.3	260 386	30	104 47	14.4 366
80210M120300700	3	12	14	0.510 13.0	0.750 19.0	0.842 21.4	302 449	30	157 71	15.2 385
80210M120400700	4	12	14	0.585 14.9	0.825 21.0	0.917 23.3	368 548	24	209 95	16.5 419
80210M120500700	5	12	14	0.625 15.9	0.865 22.0	0.957 24.3	410 610	24	261 118	17.2 437
80210M120600700	6	12	14	0.679 17.3	0.919 23.3	1.011 25.7	460 684	24	313 142	18.2 462
80210M120700700	7	12	14	0.733 18.6	0.973 24.7	1.065 27.1	512 762	21	365 166	19.2 487
80210M120800700	8	12	14	0.789 20.1	1.029 26.2	1.121 28.5	609 907	21	418 189	20.2 513
80210M121000700	10	12	14	0.900 22.9	1.140 29.0	1.232 31.3	731 1088	21	522 237	22.2 563
80210M121200700	12	12	14	0.927 23.6	1.167 29.7	1.259 32.0	801 1193	21	626 284	22.7 576
80210M121500700	15	12	14	1.000 25.4	1.240 31.5	1.332 33.8	919 1368	21	783 355	24.0 609
80210M122000700	20	12	14	1.135 28.8	1.375 34.9	1.467 37.3	1121 1669	21	1044 474	26.4 671
80210M122500700	25	12	14	1.262 32.1	1.502 38.2	1.594 40.5	1325 1972	18	1305 592	28.7 729
80210M123000700	30	12	14	1.336 33.9	1.576 40.0	1.684 42.8	1517 2257	18	1566 710	30.3 770
80210M124000700	40	12	14	1.497 38.0	1.737 44.1	1.845 46.9	1878 2794	18	2088 947	33.2 844
80210M125000700	50	12	14	1.667 42.4	1.972 50.1	2.080 52.8	2322 3455	15	2610 1184	37.4 951

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type TECK 90 Armoured Control, Multi-Conductor, 1000 V

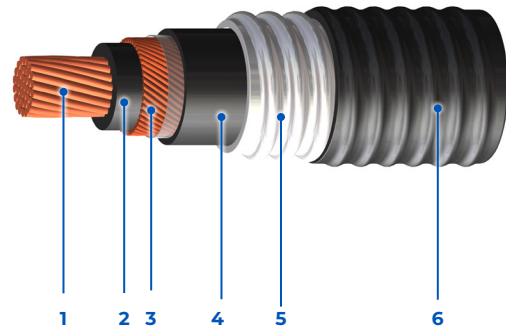
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
80210M100200700	2	10	12	0.518 13.2	0.758 19.3	0.850 21.6	310 462	40	166 75	15.3 389
80210M100300700	3	10	12	0.595 15.1	0.835 21.2	0.927 23.6	391 581	40	249 113	16.7 424
80210M100400700	4	10	12	0.647 16.4	0.887 22.5	0.979 24.9	450 670	32	332 151	17.6 448
80210M100500700	5	10	12	0.692 17.6	0.932 23.7	1.024 26.0	509 758	32	415 188	18.4 468
80210M100600700	6	10	12	0.754 19.2	0.994 25.3	1.086 27.6	579 862	32	498 226	19.5 497
80210M100700700	7	10	12	0.816 20.7	1.056 26.8	1.148 29.2	690 1027	28	581 264	20.7 525
80210M100800700	8	10	12	0.920 23.4	1.160 29.5	1.252 31.8	809 1025	28	664 301	22.5 572
80210M101000700	10	10	12	1.000 25.4	1.240 31.5	1.332 33.8	920 1369	28	830 376	24.0 609
80210M101200700	12	10	12	1.031 26.2	1.271 32.3	1.363 34.6	1017 1514	28	996 452	24.5 623
80210M101500700	15	10	12	1.113 28.3	1.353 34.4	1.445 36.7	1181 1758	28	1245 565	26.0 661
80210M102000700	20	10	12	1.268 32.2	1.508 38.3	1.600 40.6	1457 2169	28	1660 753	28.8 731
80210M102500700	25	10	12	1.412 35.9	1.652 42.0	1.760 44.7	1765 2627	24	2075 941	31.7 805
80210M103000700	30	10	12	1.496 38.0	1.736 44.1	1.844 46.9	2006 2985	24	2490 1129	33.2 843
80210M104000700	40	10	12	1.680 42.7	1.985 50.4	2.093 53.2	2604 3875	24	3320 1506	37.7 957
80210M105000700	50	10	12	1.933 49.1	2.238 56.9	2.346 59.6	3238 4818	20	4150 1882	42.2 1073

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type TECK 90 Armoured Power, Single-Conductor, 1000 V

Armoured power cable is used to supply power for lighting, drives, motors and pumps. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

Standards:



1 – Stranded Bare Copper Conductor (Tin-coated Available)

2 – XLPE (RW90 Rated) Insulated Conductor

3 – Bonding Conductor, Copper Wire Served Helically

4 – FR LAG PVC Inner Protective Jacket

5 – Aluminum Interlocked Armour (AIA)

6 – FR LAG PVC Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Bonding Conductor:

- Concentric serving of solid bare copper wires applied over the insulation

Armour:

- Aluminum Interlocked Armour (AIA) (standard)

Jacket:

- FR LAG PVC (AG14 rated) inner/outer black jacket rated: 90°C to -40°C

Available in:

- Ribbed inner-jacketed core for vertical/mineshaft applications
- Custom insulation/jacket colours
- Aluminum conductors

Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset Insulated Wires & Cables (XLPE)
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated
- HL rated for use in hazardous locations:
 - Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)

1000 V

Voltage

Optional: 600 V

CSA Type TECK 90

Power

Colour Coding

- Black conductor (standard)

CSA Type TECK 90 Armoured Power, Single-Conductor, 1000 V

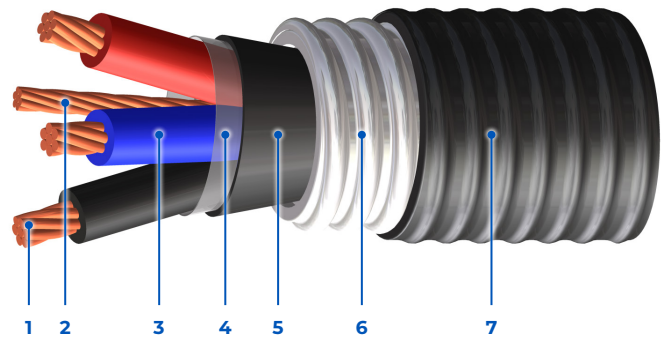
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE†	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG or kcmil	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
80210M040100700	1	4	6	0.523 13.3	0.763 19.3	0.855 21.7	440 655	140	334 151	15.4 391
80210M020100700	1	2	6	0.581 14.8	0.821 20.9	0.913 23.2	537 799	190	531 241	16.4 417
80210M010140700	1	1	4	0.716 18.2	0.956 24.3	1.048 26.6	721 1073	220	670 304	18.9 479
80210M1/0140700	1	1/0	4	0.756 19.2	0.996 25.3	1.088 27.6	803 1195	260	845 383	19.6 497
80210M2/0140700	1	2/0	4	0.799 20.3	1.039 26.4	1.131 28.7	950 1414	300	1065 483	20.4 517
80210M3/0140700	1	3/0	3	0.850 21.6	1.090 27.7	1.182 30.0	1107 1647	350	1342 609	21.3 540
80210M4/0140700	1	4/0	3	0.906 23.0	1.146 29.1	1.238 31.5	1271 1891	405	1693 768	22.3 566
80210M250160700	1	250	2	1.002 25.5	1.242 31.6	1.334 33.9	1516 2256	455	2000 907	24.0 610
80210M300160700	1	300	2	1.055 26.8	1.295 32.9	1.387 35.2	1701 2532	500	2400 1089	25.0 634
80210M350160700	1	350	1	1.105 28.1	1.345 34.2	1.437 36.5	1929 2871	570	2800 1270	25.9 657
80210M500160700	1	500	1/0	1.233 31.3	1.473 37.4	1.565 39.8	2521 3752	700	4000 1814	28.2 716
80210M750160700	1	750	2/0	1.412 35.9	1.652 42.0	1.760 44.7	3513 5227	885	6000 2722	31.7 805
80210MA00160700	1	1000	2/0	1.561 39.7	1.866 47.4	1.974 50.1	4476 6661	1055	8000 3629	35.5 903

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 1.
† The size of the concentrically applied bonding conductor shall be determined from the sum of the cross-sectional areas of the individual wires.

CSA Type TECK 90 Armoured Power, Multi-Conductor, 1000 V

Armoured power cable is used to supply power for lighting, drives, motors and pumps. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

Standards:



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – Bonding Conductor

3 – XLPE (RW90 Rated) Insulated Conductors

4 – Polyester Separator Tape

5 – FR LAG PVC Inner Protective Jacket

6 – Aluminum Interlocked Armour (AIA)

7 – FR LAG PVC Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Jacket:

- FR LAG PVC (AG14 rated) inner/outer black jacket rated: 90°C to -40°C

Available in:

- Variable Frequency Drive (VFD)
- Ribbed inner-jacketed core for vertical/mineshaft applications
- Custom insulation/jacket colours
- Composite constructions
- Aluminum conductors

Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated

- HL rated for use in hazardous locations:

- Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
- Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
- Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater – Black, number-coded with white ink

1000 V

Voltage
(Optional: 600 V)

CSA Type TECK 90

Power

CSA Type TECK 90 Armoured Power, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLEWEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG or kcmil	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
80210M080200700	2	8	10	0.606 15.4	0.846 21.5	0.938 23.8	407 606	55	265 120	16.9 429
80210M060200700	2	6	8	0.744 18.9	0.984 25.0	1.076 27.3	550 818	75	419 190	19.4 492
80210M040200700	2	4	8	0.838 21.3	1.074 27.3	1.166 29.6	762 1134	95	668 303	21.1 535
80210M030200700	2	3	6	0.932 23.7	1.168 29.7	1.260 32.0	933 1388	115	842 382	22.8 578
80210M020200700	2	2	6	0.994 25.3	1.230 31.2	1.322 33.6	1046 1556	130	1062 482	23.9 606
80210M010240700	2	1	6	1.152 29.3	1.388 35.3	1.480 37.6	1297 1930	145	1339 607	26.7 678
80210M1/0240700	2	1/0	6	1.232 31.3	1.468 37.3	1.560 39.6	1487 2214	170	1690 766	28.2 715
80210M2/0240700	2	2/0	6	1.318 33.5	1.554 39.5	1.662 42.2	1746 2598	195	2130 966	30.0 762
80210M3/0340700	3	3/0	4	1.513 38.4	1.753 44.5	1.861 47.3	2602 3872	225	4027 1827	33.5 851
80210M4/0240700	2	4/0	4	1.532 38.9	1.833 46.6	1.941 49.3	2533 3770	260	3386 1536	35.0 889
80210M250260700	2	250	4	1.664 42.3	1.965 49.9	2.073 52.7	2894 4307	290	4000 1814	37.4 950
80210M300260700	2	300	4	1.830 46.5	2.131 54.1	2.239 56.9	3432 5108	320	4800 2177	40.4 1025
80210M350260700	2	350	3	1.930 49.0	2.231 56.7	2.339 59.4	3858 5741	350	5600 2540	42.2 1071
80210M500260700	2	500	3	2.186 55.5	2.487 63.2	2.619 66.5	5086 7569	430	8000 3629	47.2 1199
80210M750260700	2	750	2	2.544 64.6	2.845 72.3	2.977 75.6	7052 10494	535	12000 5443	53.7 1363
80210MA00260700	2	1000	1	2.902 73.7	3.203 81.4	3.349 85.1	9264 13786	615	16000 7258	40.2 1022
80210M080300700	3	8	10	0.660 16.8	0.900 22.9	0.992 25.2	489 727	55	329 180	11.9 302
80210M060300700	3	6	8	0.813 20.7	1.049 26.7	1.141 29.0	729 1085	75	629 285	20.6 524
80210M040300700	3	4	8	0.930 23.6	1.170 29.7	1.262 32.1	966 1437	95	1002 454	22.7 577
80210M030300700	3	3	6	0.988 25.1	1.226 31.1	1.318 33.5	1131 1682	115	1263 573	23.8 604
80210M020300700	3	2	6	1.055 26.8	1.295 32.9	1.387 35.2	1285 1912	130	1593 723	25.0 634
80210M010340700	3	1	6	1.225 31.1	1.463 37.2	1.555 39.5	1582 2354	145	2009 911	28.0 712
80210M1/0340700	3	1/0	6	1.311 33.3	1.551 39.4	1.659 42.1	1853 2758	170	2534 1150	29.9 758
80210M2/0340700	3	2/0	6	1.403 35.7	1.643 41.7	1.751 44.5	2164 3221	195	3194 1449	31.5 801
80210M3/0340700	3	3/0	4	1.513 38.4	1.753 44.5	1.861 47.3	2602 3873	225	4007 1818	33.5 851
80210M4/0340700	3	4/0	4	1.633 41.5	1.938 49.2	2.046 52.0	3185 4739	260	5078 2304	36.8 936
80210M250360700	3	250	4	1.835 46.6	2.140 54.4	2.248 57.1	3779 5623	290	6000 2722	40.5 1028
80210M300360700	3	300	4	1.949 49.5	2.254 57.3	2.362 60.0	4343 6463	320	7200 3266	42.5 1080
80210M350360700	3	350	3	2.057 52.2	2.362 60.0	2.494 63.3	4957 7377	350	8400 3810	44.9 1140
80210M500360700	3	500	3	2.332 59.2	2.637 67.0	2.769 70.3	6543 9737	430	12000 5443	49.8 1266
80210M750360700	3	750	2	2.717 69.0	3.022 76.8	3.154 80.1	9204 13697	535	18000 8165	56.8 1442
80210MA00360700	3	1000	1	3.097 78.7	3.404 86.5	3.550 90.2	12155 18089	615	24000 10886	42.6 1081

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type TECK 90 Armoured Power, Multi-Conductor, 1000 V

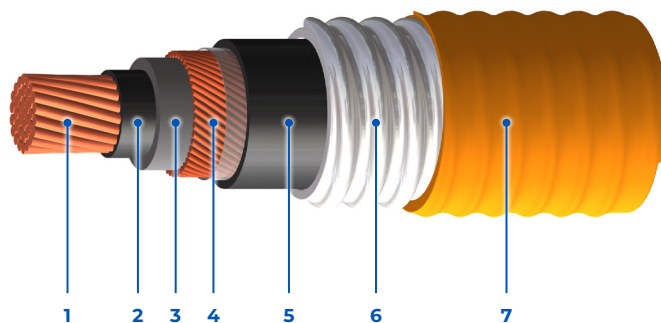
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG or kcmil	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
80210M080400700	4	8	10	0.719 18.3	0.959 24.4	1.051 26.7	577 858	55	529 240	18.9 480
80210M060400700	4	6	8	0.929 23.6	1.165 29.6	1.257 31.9	901 1341	60	839 380	22.7 576
80210M040400700	4	4	8	1.045 26.6	1.282 32.6	1.373 34.9	1167 1736	76	1336 606	24.8 630
80210M030400700	4	3	6	1.112 28.3	1.348 34.3	1.441 36.6	1387 2065	92	1684 764	26.0 660
80210M020400700	4	2	6	1.189 30.2	1.425 36.2	1.517 38.5	1588 2363	104	2124 964	27.4 696
80210M010440700	4	1	6	1.351 34.3	1.589 40.4	1.697 43.1	1985 2954	116	2678 1215	30.6 777
80210M1/0440700	4	1/0	6	1.448 36.8	1.686 42.8	1.794 45.6	2296 3416	136	3379 1533	32.3 821
80210M2/0440700	4	2/0	6	1.551 39.4	1.856 47.2	1.964 49.9	2788 4149	156	4259 1932	35.4 898
80210M3/0440700	4	3/0	4	1.674 42.5	1.979 50.3	2.087 53.0	3355 4993	180	5370 2436	37.6 954
80210M4/0440700	4	4/0	4	1.869 47.5	2.174 55.2	2.282 58.0	4127 6142	208	6771 3071	41.1 1043
80210M250460700	4	250	4	2.028 51.5	2.333 59.3	2.465 62.6	4807 7153	232	8000 3629	44.4 1127
80210M300460700	4	300	4	2.156 54.8	2.461 62.5	2.593 65.9	5551 8261	256	9600 4355	46.7 1185
80210M350460700	4	350	3	2.276 57.8	2.581 65.6	2.713 68.9	6267 9327	280	11200 5080	48.8 1241
80210M500460700	4	500	3	2.585 65.7	2.890 73.4	3.022 76.8	8386 12480	344	16000 7258	54.4 1382
80210M750460700	4	750	2	3.076 78.1	3.381 85.9	3.527 89.6	12131 18053	428	24000 10886	63.5 1613

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type TECK 90 Armoured Power, Single-Conductor, 5000 V, Unshielded

Armoured power cable is used to supply power for lighting, drives, motors and pumps. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

Standards:



1 – Stranded Bare Copper Conductor (Tin-coated Available)

2 – Semiconducting Conductor Shield

3 – XLPE (RW90 Rated) Insulated Conductor

4 – Bonding Conductor, Copper Wire Served Helically

5 – FR LAG PVC Inner Protective Jacket

6 – Aluminum Interlocked Armour (AIA)

7 – FR LAG PVC Outer Protective Jacket

Product Construction

Conductor Shield:

- Extruded, concentric, thermoset semiconducting material

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Bonding Conductor:

- Concentric serving of solid bare copper wires applied over the insulation

Armour:

- Aluminum Interlocked Armour (AIA) (standard)

Jacket:

- FR LAG PVC (AG14 rated) inner black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer orange jacket rated: 90°C to -40°C

Available in:

- Ribbed inner-jacketed core for vertical/mineshaft applications
- Custom insulation/jacket colours
- Aluminum conductors

Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)

- Direct burial rated
- -40°C cold bend/impact rated
- HL rated for use in hazardous locations:
 - Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)

Colour Coding

- Black conductor (standard)

5000 V, unshielded

Voltage

CSA Type TECK 90

Power

CSA Type TECK 90 Armoured Power, Single-Conductor, 5000 V, Unshielded

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE†	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG or kcmil	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
85210M060105700	1	6	8	0.544 13.8	0.784 19.9	0.876 22.3	379 565	105	210 95	15.8 401
85210M040105700	1	4	6	0.643 16.3	0.883 22.4	0.975 24.8	514 765	140	334 151	17.6 446
85210M030105700	1	3	6	0.670 17.0	0.910 23.1	1.002 25.5	563 838	165	421 191	18.0 458
85210M020105700	1	2	6	0.701 17.8	0.941 23.9	1.033 26.2	616 916	190	531 241	18.6 472
85210M010145700	1	1	4	0.766 19.5	0.986 25.0	1.078 27.4	795 1183	220	670 304	19.4 493
85210M1/0145700	1	1/0	4	0.806 20.5	1.046 26.6	1.138 28.9	883 1314	260	845 383	20.5 520
85210M2/0145700	1	2/0	4	0.849 21.6	1.089 27.7	1.181 30.0	988 1471	300	1065 483	21.3 540
85210M3/0145700	1	3/0	4	0.900 22.9	1.140 29.0	1.232 31.3	1147 1707	350	1336 606	22.2 563
85210M4/0145700	1	4/0	4	0.986 25.0	1.226 31.1	1.318 33.5	1349 2007	405	1693 768	23.7 603
85210M250165700	1	250	4	1.042 26.5	1.282 32.6	1.374 34.9	1555 2315	455	2000 907	24.7 628
85210M300165700	1	300	4	1.095 27.8	1.335 33.9	1.427 36.3	1743 2594	500	2400 1089	25.7 652
85210M350165700	1	350	4	1.145 29.1	1.385 35.2	1.477 37.5	1972 2935	570	2800 1270	26.6 675
85210M500165700	1	500	4	1.273 32.3	1.513 38.4	1.605 40.8	2569 3822	700	4000 1814	28.9 734
85210M750165700	1	750	4	1.460 37.1	1.700 43.2	1.808 45.9	3578 5324	885	6000 2722	32.5 827

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 1.
† The size of the concentrically applied bonding conductor shall be determined from the sum of the cross-sectional areas of the individual wires.

CSA Type TECK 90 Armoured Power, Single-Conductor, 5000 V Shielded

Armoured power cable is used to supply power for lighting, drives, motors and pumps. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

Standards:



Product Construction

Conductor Shield:

- Extruded, concentric, thermoset semiconducting material

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Insulation Shield:

- Extruded, concentric, thermoset semiconducting layer + metallic shield

Bonding Conductor:

- Concentric serving of solid bare copper wires applied over the insulation

Armour:

- Aluminum Interlocked Armour (AIA) (standard)

Jacket:

- FR LAG PVC (AG14 rated) inner black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer orange jacket rated: 90°C to -40°C

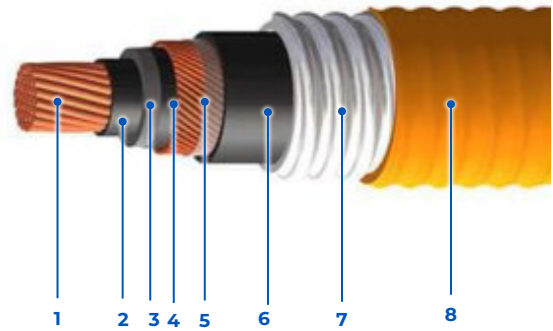
Available in:

- Ribbed inner-jacketed core for vertical/mineshaft applications
- Custom insulation/jacket colours
- Aluminum conductors

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Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- 40°C cold bend/impact rated
- HL rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)



1 – Stranded Bare Copper Conductor (Tin-coated Available)

2 – Semiconducting Conductor Shield

3 – XLPE (RW90 Rated) Insulated Conductor

4 – Insulation Shield

5 – Bonding Conductor, Copper Wire Served Helically

6 – FR LAG PVC Inner Protective Jacket

7 – Aluminum Interlocked Armour (AIA)

8 – FR LAG PVC Outer Protective Jacket

5000 V, shielded

Voltage

CSA Type TECK 90

Power

Colour Coding

- Black conductor (standard)



CSA Type TECK 90 Armoured Power, Single-Conductor, 5000 V Shielded

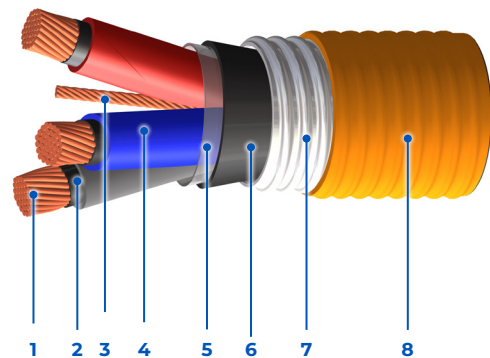
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE†	NORMAL DIAMETERS			CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
				OVERALL INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG or kcmil	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
8S210M060105700	1	6	8	0.596 15.1	0.836 21.2	0.928 23.6	417 620	105	210 95	16.7 424
8S210M040105700	1	4	6	0.695 17.7	0.935 23.7	1.027 26.1	556 828	140	334 151	18.5 470
8S210M030105700	1	3	6	0.722 18.3	0.962 24.4	1.054 26.8	607 904	165	421 191	19.0 482
8S210M020105700	1	2	6	0.753 19.1	0.993 25.2	1.085 27.6	662 986	190	531 241	19.5 496
8S210M010145700	1	1	4	0.818 20.8	1.058 26.9	1.150 29.2	851 1266	220	670 304	20.7 526
8S210M1/0145700	1	1/0	4	0.858 21.8	1.098 27.9	1.190 30.2	938 1396	260	845 383	21.4 544
8S210M2/0145700	1	2/0	4	0.901 22.9	1.141 29.0	1.233 31.3	1047 1559	300	1065 483	22.2 564
8S210M3/0145700	1	3/0	4	0.952 24.2	1.192 30.3	1.284 32.6	1211 1802	350	1336 606	23.1 587
8S210M4/0145700	1	4/0	4	1.038 26.4	1.278 32.5	1.370 34.8	1420 2113	405	1693 768	24.7 626
8S210M250165700	1	250	4	1.094 27.8	1.334 33.9	1.426 36.2	1631 2427	455	2000 907	25.7 652
8S210M300165700	1	300	4	1.147 29.1	1.387 35.2	1.479 37.6	1824 2715	500	2400 1089	26.6 676
8S210M350165700	1	350	4	1.197 30.4	1.437 36.5	1.529 38.8	2058 3063	570	2800 1270	27.5 699
8S210M500165700	1	500	4	1.326 33.7	1.565 39.8	1.673 42.5	2694 4009	700	4000 1814	30.1 765
8S210M750165700	1	750	4	1.512 38.4	1.752 44.5	1.860 47.2	3702 5509	885	6000 2722	33.5 850

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 1.
† The size of the concentrically applied bonding conductor shall be determined from the sum of the cross-sectional areas of the individual wires.

CSA Type TECK 90 Armoured Power, Multi-Conductor, 5000 V, Unshielded

Armoured power cable is used to supply power for lighting, drives, motors and pumps. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

Standards:



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – Bonding Conductor

3 – Semiconducting Conductor Shield

4 – XLPE (RW90 Rated) Insulated Conductors

5 – Polyester Separator Tape

6 – FR LAG PVC Inner Protective Jacket

7 – Aluminum Interlocked Armour (AIA)

8 – FR LAG PVC Outer Protective Jacket

Product Construction

Conductor Shield:

- Extruded, concentric, thermoset semiconducting material

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Jacket:

- FR LAG PVC (AG14 rated) inner black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer orange jacket rated: 90°C to -40°C

Available in:

- Variable Frequency Drive (VFD)
- Ribbed inner-jacketed core for vertical/mineshaft applications
- Custom insulation/jacket colours
- Composite constructions
- Aluminum conductors

Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- 40°C cold bend/impact rated
- HL rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)

5000 V, unshielded

Voltage

CSA Type TECK 90

Power

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater – Black, number-coded with white ink

CSA Type TECK 90 Armoured Power, Multi-Conductor, 5000 V, Unshielded

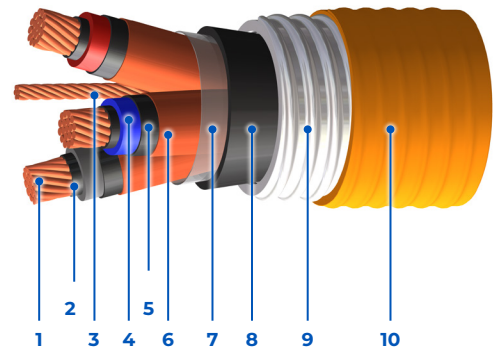
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG or kcmil	AWG	in. mm	in. mm	in. mm	lbs/1000ft kg/km	30°C ambient	lb kg	in. mm
85210M060305700	3	6	8	1.050 26.7	1.290 32.8	1.382 35.1	912 1358	75	630 286	24.9 634
85210M040305700	3	4	8	1.122 28.5	1.362 34.6	1.454 36.9	1113 1656	95	1002 454	26.2 666
85210M030305700	3	3	6	1.180 30.0	1.420 36.1	1.512 38.4	1291 1922	115	1263 573	27.3 692
85210M020305700	3	2	6	1.247 31.7	1.487 37.8	1.579 40.1	1452 2160	130	1593 722	28.5 723
85210M010345700	3	1	6	1.331 33.8	1.571 39.9	1.679 42.6	1706 2539	145	2009 911	30.2 768
85210M1/0345700	3	1/0	6	1.417 36.0	1.657 42.1	1.765 44.8	1958 2915	170	2534 1150	31.8 808
85210M2/0345700	3	2/0	6	1.510 38.4	1.750 44.5	1.858 47.2	2275 3386	195	3194 1449	33.5 850
85210M3/0345700	3	3/0	4	1.620 41.1	1.925 48.9	2.033 51.6	2807 4177	225	4027 1827	36.6 930
85210M4/0345700	3	4/0	4	1.800 45.72	2.105 53.5	2.213 56.2	3432 5107	260	5078 2304	39.9 1012
85210M250365700	3	250	4	1.921 48.8	2.226 56.5	2.334 59.3	3895 5796	290	6000 2722	42.0 1067
85210M300365700	3	300	4	2.035 51.7	2.340 59.4	2.472 62.8	4520 6727	320	7200 3266	44.5 1130
85210M350365700	3	350	3	2.143 54.4	2.448 62.2	2.580 65.5	5085 7567	350	8400 3810	46.4 1179
85210M500365700	3	500	3	2.419 61.4	2.724 69.2	2.856 72.5	6683 9946	430	12000 5443	51.4 1305
85210M750365700	3	750	2	2.882 73.2	3.187 80.9	3.333 84.7	9620 14316	535	18000 8165	60.0 1523

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type TECK 90 Armoured Power, Multi-Conductor, 5000 V, Shielded

Armoured power cable is used to supply power for lighting, drives, motors and pumps. Interlocked armour replaces the use of conduit for mechanical protection. Cable can be directly buried, installed in raceways, including cable tray in wet or dry environments. Cable is suitable for use in outdoor exposed applications and is rated for damp or dry locations in -40°C (-40°F) environments.

Standards:



- | | |
|--|---|
| 1 – Stranded Bare Copper Conductors (Tin-coated Available) | 6 – Copper Tape Shield |
| 2 – Semiconducting Conductor Shield | 7 – Polyester Separator Tape |
| 3 – Bonding Conductor | 8 – FR LAG PVC Inner Protective Jacket |
| 4 – XLPE (RW90 Rated) Insulated Conductors | 9 – Aluminum Interlocked Armour (AIA) |
| 5 – Semiconducting Insulation Shield | 10 – FR LAG PVC Outer Protective Jacket |

Product Construction

Conductor Shield:

- Extruded, concentric, thermoset semiconducting material

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Insulation Shield:

- Extruded, concentric, thermoset semiconducting layer + metallic shield

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Jacket:

- FR LAG PVC (AG14 rated) inner black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer orange jacket rated: 90°C to -40°C

Available in:

- Variable Frequency Drive (VFD)
- Ribbed inner-jacketed core for vertical/mineshaft applications
- Custom insulation/jacket colours
- Composite constructions
- Aluminum conductors

Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- 40°C cold bend/impact rated
- HL rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)

5000 V, shielded

Voltage

CSA Type TECK 90

Power

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater – Black, number-coded with white ink



CSA Type TECK 90 Armoured Power, Multi-Conductor, 5000 V, Shielded

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NORMAL DIAMETERS			CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG or kcmil	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
8S210M060305700	3	6	8	1.159 29.4	1.399 35.5	1.491 37.9	1094 1628	75	630 286	26.8 682
8S210M040305700	3	4	8	1.260 32.0	1.500 38.1	1.592 40.4	1325 1972	95	1002 454	28.7 728
8S210M030305700	3	3	8	1.318 33.5	1.558 39.6	1.666 42.3	1539 2290	95	1263 573	30.0 762
8S210M020305700	3	2	8	1.385 35.2	1.625 41.3	1.733 44.0	1712 2548	95	1593 722	31.2 792
8S210M010345700	3	1	6	1.469 37.3	1.709 43.4	1.817 46.2	1959 2915	145	2009 911	32.7 831
8S210M1/0345700	3	1/0	6	1.555 39.5	1.860 47.2	1.968 50.0	2314 3443	170	2534 1150	35.4 900
8S210M2/0345700	3	2/0	6	1.476 37.5	1.953 49.6	2.061 52.3	2653 3948	195	3194 1449	37.1 942
8S210M3/0345700	3	3/0	4	1.818 46.2	2.123 53.9	2.231 56.7	3245 4829	225	4027 1827	40.2 1020
8S210M4/0345700	3	4/0	4	1.938 49.2	2.243 57.0	2.351 59.7	3786 5634	260	5078 2304	42.3 1075
8S210M250365700	3	250	4	2.059 52.3	2.364 60.0	2.496 63.4	5324 6435	290	6000 2722	44.9 1141
8S210M300365700	3	300	4	2.173 55.2	2.478 62.9	2.610 66.3	4922 7325	320	7200 3266	47.0 1193
8S210M350365700	3	350	3	2.281 57.9	2.586 65.7	2.718 69.0	5511 8201	350	8400 3810	48.9 1243
8S210M500365700	3	500	3	2.557 64.9	2.557 64.9	2.994 76.0	7177 10680	430	12000 5443	53.9 1369
8S210M750365700	3	750	2	3.020 76.7	3.325 84.4	3.471 88.2	10228 15221	535	18000 8165	62.5 1587

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type TECK 90 Armoured Vertical Mineshaft, 1000 V

Vertical Mineshaft TECK 90 cables are designed for vertical applications to prevent cable core slippage and are suitable for use in mineshaft and for environments that require self-supporting lengths. Typically used in Mining, Utilities, Industrial and Commercial applications.

Standards:



Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Armour:

- Steel Interlocked Armour (SIA) (standard)
- Aluminum Interlocked Armour (AIA) (optional)

Jacket:

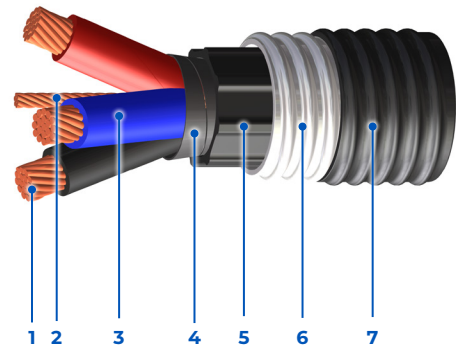
- FR LAG PVC (AG14 rated) inner ribbed black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer black jacket rated: 90°C to -40°C

Available in:

- Variable Frequency Drive (VFD)
- Custom insulation/jacket colours
- Composite constructions
- Aluminum conductors
- Single conductor

Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated
- HL rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – Bonding Conductor

3 – XLPE (RW90 Rated) Insulated Conductors

4 – Cloth-backed Rubberized Separator Tape

5 – FR LAG PVC Inner Ribbed Protective Jacket

6 – Steel Interlocked Armour (SIA)

7 – FR LAG PVC Outer Protective Jacket

1000 V

Voltage

Optional:
600 V

CSA Type Teck 90

Vertical Mineshaft

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater – Black, number-coded with white ink

CSA Type TECK 90 Armoured Vertical Mineshaft, 1000 V

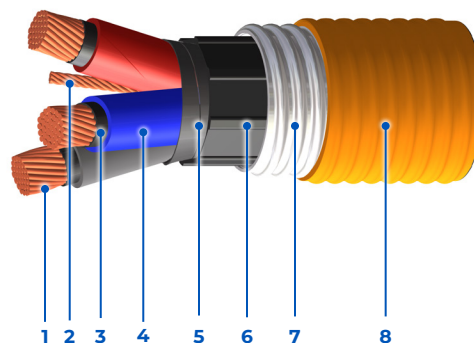
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)	SELF- SUPPORT LENGTH
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE					
		AWG or kcmil	AWG	in. mm	in. mm	in. mm	lb 1000ft kg km	30°C ambient	lb kg	in. mm	ft m
80110M1/034070V	3	1/0	6	1.328 33.7	1.673 42.5	1.781 45.2	2775 4130	170	2534 1150	32.0 814	663 202
80110M2/034070V	3	2/0	6	1.420 36.1	1.830 46.5	1.938 49.2	3394 5051	195	3194 1449	35.0 886	684 208
80110M3/034070V	3	3/0	4	1.530 38.9	1.940 49.3	2.048 52.0	3929 5848	225	4027 1827	37.0 936	745 227
80110M4/034070V	3	4/0	4	1.650 41.9	2.060 52.3	2.168 55.1	4536 6751	260	5078 2304	39.0 991	813 248
80110M25036070V	3	250	4	1.852 47.1	2.262 57.5	2.371 60.8	5311 7904	290	6000 2722	43.0 1095	821 250
80110M35036070V	3	350	3	2.074 52.7	2.484 63.1	2.616 66.4	6722 10003	350	8400 3810	47.0 1196	908 277
80110M50036070V	3	500	3	2.349 59.7	2.761 70.1	2.893 73.5	8617 12824	430	12000 5443	52.0 1322	1012 308
80110M75036070V	3	750	2	2.734 69.4	3.209 81.5	3.355 85.2	11951 17785	535	18000 8165	60.0 1533	1094 333

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type TECK 90 Armoured Vertical Mineshaft, 5000 V, Unshielded

Vertical Mineshaft TECK 90 cables are designed for vertical applications to prevent cable core slippage and are suitable for use in mineshaft and for environments that require self-supporting lengths. Typically used in Mining, Utilities, Industrial and Commercial applications.

Standards:



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – Bonding Conductor

3 – Semiconducting Conductor Shield

4 – XLPE (RW90 Rated) Insulated Conductors

5 – Cloth-backed Rubberized Separator Tape

6 – FR LAG PVC Inner Ribbed Protective Jacket

7 – Steel Interlocked Armour (SIA)

8 – FR LAG PVC Outer Protective Jacket

Product Construction

Conductor Shield:

- Extruded, concentric, thermoset semiconducting material

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Armour:

- Steel Interlocked Armour (SIA) (standard)
- Aluminum Interlocked Armour (AIA) (optional)

Jacket:

- FR LAG PVC (AG14 rated) inner ribbed black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer black jacket rated: 90°C to -40°C

Available in:

- Variable Frequency Drive (VFD)
- Custom insulation/jacket colours
- Composite constructions
- Aluminum conductors
- Single conductor

Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- 40°C cold bend/impact rated
- HL rated for use in hazardous locations:
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)

5000 V, unshielded

Voltage

CSA Type Teck 90

Vertical Mineshaft

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater – Black, number-coded with white ink

CSA Type TECK 90 Armoured Vertical Mineshaft, 5000 V, Unshielded

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)	SELF- SUPPORT LENGTH
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE					
		AWG or kcmil	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm	ft m
85110M1/034570V	3	1/0	6	1.435 36.5	1.845 46.9	1.953 49.6	3200 4763	170	2534 1150	35.0 893	575 175
85110M2/034570V	3	2/0	6	1.528 38.8	1.938 49.2	2.046 52.0	3601 5358	195	3194 1449	37.0 935	645 196
85110M3/034570V	3	3/0	4	1.638 41.6	2.048 52.0	2.156 54.8	4148 6173	225	4007 1818	39.0 985	705 215
85110M4/034570V	3	4/0	4	1.818 46.2	2.228 56.6	2.336 59.3	4907 7303	260	5078 2304	42.0 1068	752 229
85110M25036570V	3	250	4	1.938 49.2	2.348 59.7	2.480 63.0	5539 8243	290	6000 2722	45.0 1134	787 240
85110M35036570V	3	350	3	2.160 54.9	2.570 65.3	2.702 68.6	6903 10272	350	8400 3810	49.0 1235	884 269
85110M50036570V	3	500	3	2.435 61.9	2.845 72.3	2.977 75.6	8854 13176	430	12000 5443	54.0 1361	985 300
85110M75036570V	3	750	2	2.897 73.6	3.369 85.6	3.515 89.3	12480 18572	535	18000 8165	63.0 1607	1048 319

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type TECK 90 Armoured Vertical Mineshaft, 5000 V, Shielded

Vertical Mineshaft TECK 90 cables are designed for vertical applications to prevent cable core slippage and are suitable for use in mineshaft and for environments that require self-supporting lengths. Typically used in Mining, Utilities, Industrial and Commercial applications.

Standards:



Product Construction

Conductor Shield:

- Extruded, concentric, thermoset semiconducting material

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Insulation Shield:

- Extruded, concentric, thermoset semiconducting layer + metallic shield

Armour:

- Steel Interlocked Armour (SIA) (standard)
- Aluminum Interlocked Armour (AIA) (optional)

Jacket:

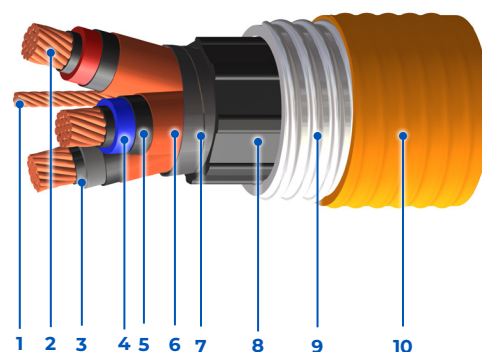
- FR LAG PVC (AG14 rated) inner ribbed black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer black jacket rated: 90°C to -40°C

Available in:

- Variable Frequency Drive (VFD)
- Custom insulation/jacket colours
- Composite constructions
- Aluminum conductors
- Single conductor

Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- 40°C cold bend/impact rated
- HL rated for use in hazardous locations:
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)



- | | |
|--|---|
| 1 – Bonding Conductor | 6 – Copper Tape Shield |
| 2 – Stranded Bare Copper Conductors (Tin-coated Available) | 7 – Cloth-backed Rubberized Separator Tape |
| 3 – Semiconducting Conductor Shield | 8 – FR LAG PVC Inner Ribbed Protective Jacket |
| 4 – XLPE (RW90 Rated) Insulated Conductors | 9 – Steel Interlocked Armour (SIA) |
| 5 – Semiconducting Insulation Shield | 10 – FR LAG PVC Outer Protective Jacket |

5000 V, shielded

CSA Type Teck 90

Vertical Mineshaft

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater – Black, number-coded with white ink



CSA Type TECK 90 Armoured Vertical Mineshaft, 5000 V, Shielded

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)	SELF-SUPPORT LENGTH
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE					
		AWG or kcmil	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm	ft m
8S110M1/034570V	3	1/0	6	1.573 40.0	1.983 50.4	2.091 53.1	3579 5326	170	2534 1150	38.0 956	514 157
8S110M2/034570V	3	2/0	6	1.666 42.3	2.076 52.7	2.184 55.5	4001 5954	195	3194 1449	39.0 998	580 177
8S110M3/034570V	3	3/0	4	1.835 46.6	2.245 57.0	2.353 59.8	4723 7029	225	4007 1818	42.0 1076	618 189
8S110M4/034570V	3	4/0	4	1.956 49.7	2.366 60.1	2.498 63.4	5429 8079	260	5078 2304	45.0 1142	680 207
8S110M25036570V	3	250	4	2.076 52.7	2.486 63.1	2.618 66.5	6032 8977	290	6000 2722	47.0 1197	723 220
8S110M35036570V	3	350	3	2.297 58.4	2.707 68.8	2.839 72.1	7453 11091	350	8400 3810	51.0 1298	819 250
8S110M50036570V	3	500	3	2.573 65.3	3.045 77.4	3.191 81.1	9673 14396	430	12000 5443	57.0 1459	901 275
8S110M75036570V	3	750	2	3.035 77.1	3.507 89.1	3.653 92.8	13234 19694	535	18000 8165	66.0 1670	988 301

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

THERMOCOUPLE EXTENSION CABLE

CREATING A RELIABLE CONNECTION WITH THERMOCOUPLE SENSORS

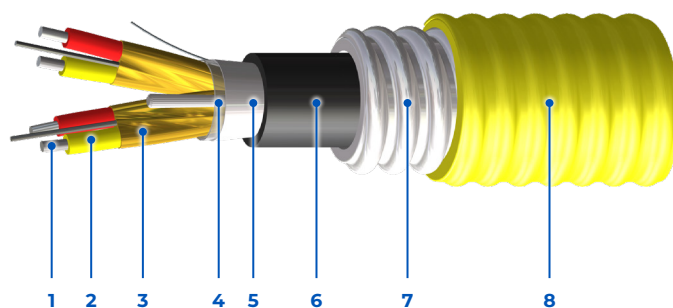
Shawflex provides various extension type cables such as type E, J, K, N, R, S and T thermocouple alloys with both armoured and unarmoured configurations.

THERMOCOUPLE	68-72
CSA Type ACIC Armoured Thermocouple Extension, 300 V	69
CSA Type CIC TC Tray Thermocouple Extension, 300 V	71

CSA Type ACIC Armoured Thermocouple Extension, 300 V

Thermocouple Extension cables offer advantages in cost and mechanical properties when used for connections between thermocouples and instruments.

Standards:



- | | |
|--|---|
| 1 – Thermocouple Alloys | 5 – Overall Aluminum/Mylar Shield with Tin-coated Copper Drain Wire |
| 2 – Insulated Thermocouple Alloy Wires | 6 – FR PVC Black Inner Protective Jacket |
| 3 – Individual Aluminum/Mylar Shielded Pairs with Tin-coated Copper Drain Wire | 7 – Aluminum Interlocked Armour (AIA) |
| 4 – Polyester Separator Tape | 8 – FR PVC Yellow Outer Protective Jacket |

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Shielding (foil-free edge):

- ISOS (standard)
- OS (optional)

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Jacket:

- FR LAG PVC (AG14 rated) inner black jacket rated: 90°C to -40°C
- FR LAG PVC (AG14 rated) outer yellow jacket dependent on requested thermocouple alloy rated: 90°C to -40°C

Available in:

- Composite constructions
- Custom insulation/jacket colours
- Extension cables for type E, J, K, N, R, S and T thermocouple alloys

Certification/Compliances

- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/105°C dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated

- HL rated for use in hazardous locations:

- Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
- Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
- Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)
- HL-BCD gas groups rated

Colour Coding

• Type EX:	(+) Purple	(-) Red	Purple jacket
• Type JX:	(+) White	(-) Red	Black jacket
• Type KX:	(+) Yellow	(-) Red	Yellow jacket
• Type NX:	(+) Orange	(-) Red	Orange jacket
• Type RX/SX:	(+) Black	(-) Red	Green jacket
• Type TX:	(+) Blue	(-) Red	Blue jacket

300 V

Voltage
(Optional: 600 V)

CSA Type ACIC

Thermocouple
Extension

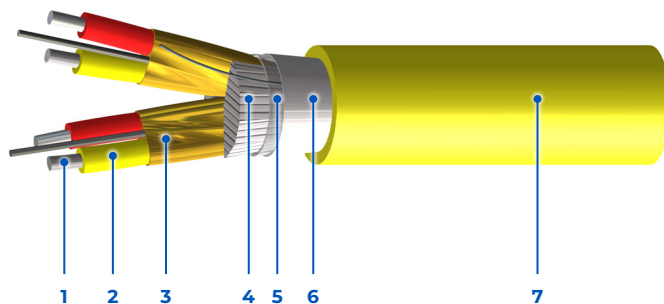
CSA Type ACIC Armoured Thermocouple Extension, 300 V

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
			OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE			
		AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	lb kg	in. mm
74221M1601XY700	1	16	0.313 8.0	0.553 14.0	0.665 16.9	177 263	41.0 19	12.0 304
74222M1602XY700	2	16	0.458 11.6	0.698 17.7	0.810 20.6	267 397	82.0 37	14.6 371
74222M1604XY700	4	16	0.535 13.6	0.775 19.7	0.867 22.5	334 497	165.0 75	16.0 405
74222M1606XY700	6	16	0.671 17.0	0.911 23.1	1.023 26.0	451 670	247.0 112	18.4 468
74222M1608XY700	8	16	0.727 18.5	0.967 24.6	1.079 27.4	519 773	330.0 150	19.4 493
74222M1612XY700	12	16	0.922 23.4	1.162 29.5	1.274 32.4	771 1148	494.0 224	22.9 583
74222M1624XY700	24	16	1.264 32.1	1.504 38.2	1.616 41.0	1222 1819	989.0 449	29.1 739
74221M1801XY700	1	18	0.291 7.4	0.531 13.5	0.643 16.3	163 242	26.0 12	11.6 294
74221M1802XY700	2	18	0.422 10.7	0.662 16.8	0.774 19.7	241 358	52.0 24	13.9 354
74222M1804XY700	4	18	0.491 12.5	0.731 18.6	0.843 21.4	290 432	104.0 47	15.2 385
74222M1806XY700	6	18	0.616 15.6	0.856 21.7	0.968 24.6	387 576	156.0 71	17.4 442
74222M1808XY700	8	18	0.666 16.9	0.906 23.0	1.018 25.8	439 653	208.0 94	18.3 465
74222M181247700	12	18	0.805 20.4	1.045 26.5	1.157 29.4	607 904	312.0 142	20.8 529
74222M1824XY700	24	18	1.151 29.2	1.391 35.3	1.503 38.2	1003 1493	624.0 283	27.1 687

CSA Type CIC TC Tray Thermocouple Extension, 300 V

Thermocouple Extension cables offer advantages in cost and mechanical properties when used for connections between thermocouples and instruments.

Standards:



- 1 – Thermocouple Alloys
- 2 – Insulated Thermocouple Alloy Wires
- 3 – Individual Aluminum/Mylar Shielded Pairs with Tin-coated Copper Drain Wire
- 4 – Polypropylene Fillers
- 5 – Polyester Separator Tape
- 6 – Overall Aluminum/Mylar Shield with Tin-coated Copper Drain Wire
- 7 – FR PVC Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Shielding (foil-free edge):

- ISOS (standard)
- OS (optional)

Jacket:

- FR PVC yellow dependent on requested thermocouple alloy rated: 90°C to -40°C

Available in:

- Composite constructions
- Custom insulation/jacket colours
- Extension cables for type E, J, K, N, R, S and T thermocouple alloys

Certification/Compliances

- CSA C22.2 No. 230, Tray cables
- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- XLPE (RW90 rated), 90°C wet/105°C dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated

- -40°C cold bend/impact rated
- Rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Class I Zone 2 (Div 2)
 - TC-BCD gas groups rated

300 V

Voltage
(Optional: 600 V)

CSA Type CIC

Thermocouple
Extension

Colour Coding

• Type EX:	(+) Purple	(-) Red	Purple jacket
• Type JX:	(+) White	(-) Red	Black jacket
• Type KX:	(+) Yellow	(-) Red	Yellow jacket
• Type NX:	(+) Orange	(-) Red	Orange jacket
• Type RX/SX:	(+) Black	(-) Red	Green jacket
• Type TX:	(+) Blue	(-) Red	Blue jacket

CSA Type CIC TC Tray Thermocouple Extension, 300 V

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	in. / mm	lb/1000ft kg/km	lb kg	in. / mm
7B021M1601XY0T8	1	16	0.337 8.6	52 78	41.0 19	6.1 154
7B022M1602XY0T8	2	16	0.498 12.7	117 174	82.0 37	9.0 228
7B022M1604XY0T8	4	16	0.612 15.6	183 273	165.0 75	11.0 280
7B022M1606XY0T8	6	16	0.731 18.6	262 390	247.0 112	13.2 334
7B022M1608XY0T8	8	16	0.793 20.2	322 480	330.0 150	14.3 363
7B022M1612XY0T8	12	16	1.007 25.6	493 733	494.0 224	18.1 460
7B022M1624XY0T8	24	16	1.387 35.2	890 1324	989.0 449	25.0 634
7B021M1801XY0T8	1	18	0.315 8	43 64	26.0 12	5.7 144
7B022M1802XY0T8	2	18	0.462 11.7	96 143	52.0 24	8.3 211
7B022M1804XY0T8	4	18	0.568 14.4	147 218	104.0 47	10.2 260
7B022M1806XY0T8	6	18	0.676 17.2	207 308	156.0 71	12.2 309
7B022M1808XY0T8	8	18	0.732 18.6	253 377	208.0 94	13.2 335
7B022M1812XY0T8	12	18	0.929 23.6	386 575	312.0 142	16.7 425
7B022M1824XY0T8	24	18	1.274 32.36	685 1019	624.0 283	22.9 583
7B021M2001XY0T8	1	20	0.299 7.6	38 56	16.0 7	5.4 137
7B022M2002XY0T8	2	20	0.435 11.1	83 124	32.0 15	7.8 199
7B022M2004XY0T8	4	20	0.506 12.9	112 167	64.0 29	9.1 231
7B022M2006XY0T8	6	20	0.636 16.2	176 261	96.0 44	11.4 291
7B022M2008XY0T8	8	20	0.688 17.5	212 316	128.0 58	12.4 314
7B022M2012XY0T8	12	20	0.833 21.2	293 436	192.0 87	15.0 381
7B022M2024XY0T8	24	20	1.192 30.3	568 845	384.0 174	21.5 545

LOW SMOKE ZERO HALOGEN (LSZH)

LOW SMOKE ZERO HALOGEN COMPOUND PROVIDES A SAFE ENVIRONMENT FOR PERSONNEL AND EQUIPMENT

Low smoke zero halogen cable considerably reduces the amount of toxic and corrosive gas emitted during a fire. It generates less smoke from the cable and in turn provides more protection to people, and sensitive electronic equipment. LSZH cable is typically used in poorly ventilated or high populated areas such as subway stations, convention centers, theatres, subsea and offshore installations, submarines or ships. It is also used extensively in transit applications, wherever track side cables must be run into and through underground tunnel systems

LOW SMOKE ZERO HALOGEN (LSZH).....	73-94
CSA LSZH Type CIC TC Tray Instrumentation, 300 V.....	74
CSA LSZH Type CIC TC Tray Control, Multi-Conductor, 300 V.....	77
CSA LSZH Type CIC TC Tray Control, Multi-Conductor, 600 V.....	80
CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 600 V.....	83
CSA LSZH Type ACIC Armoured Power, Multi-Conductor, 1000 V.....	87
CSA LSZH Type CIC TC Tray Power, Multi-Conductor, 1000 V.....	89
CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 1000 V.....	92

CSA LSZH Type CIC TC Tray Instrumentation, 300 V

LSZH Tray Instrumentation cables are used to convert analogue or digital signals. Used when there is a possibility for crosstalk between pairs/triads. Cable can be installed in raceways, direct burial applications and in outdoor exposed Industrial applications.

Standards:



Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Shielding (foil-free edge):

- ISOS (standard)
- OS (optional)

Jacket:

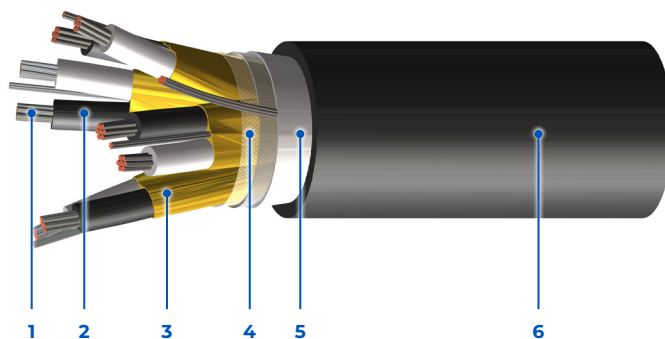
- LSZH outer black jacket rated: 90°C

Available in:

- Custom insulation/ jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 230, Tray cables
- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- CSA C22.2 No. 2556 / UL 2556 ST1 Limited Smoke rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -30°C cold bend/-25°C impact rated
- Halogen-free rated



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – Halogen Free XLPE (RW90 Rated) Insulated Conductors

3 – Individually Shielded Pairs/ Triads with Tin-coated Copper Drain Wire

4 – Fiberglass Tape

5 – Overall Aluminum/Mylar Shield with Tin-coated Copper Drain Wire

6 – LSZH Outer Protective Jacket

- Rated for use in hazardous locations:

- Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
- Zone 2 (Class I, Division 2) (Div 2)
- Zone 22 (Class II & III, Division 2)

Colour Coding

- Pairs – Black & white, number-coded with black ink printed on white conductor (standard)
- Triads - Black, white & red, number-coded with black ink printed on white conductor (standard)

300 V

Voltage
(Optional: 600 V)

CSA Type CIC TC

Instrumentation

CSA LSZH Type CIC TC Tray Instrumentation, 300 V

Pairs

PART NUMBER	NUMBER OF PAIRS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	in. mm	lb/1000ft kg/km	lb kg	in. mm
42021M160100800	1	16	0.327 8.3	58 86	41 19	5.9 150
42022M160200800	2	16	0.479 12.2	118 175	82 37	8.6 219
42022M160400800	4	16	0.588 14.9	186 277	165 75	10.6 269
42022M160600800	6	16	0.700 17.8	261 388	247 112	12.6 320
42022M160800800	8	16	0.758 19.3	319 475	330 150	13.7 347
42022M161200800	12	16	0.961 24.4	487 725	494 224	17.3 440
42022M161600800	16	16	1.068 27.1	607 903	659 299	19.2 488
42022M162400800	24	16	1.319 33.5	866 1289	989 449	23.7 603
42022M163600800	36	16	1.516 38.5	1206 1795	1483 673	27.3 693
42022M180200800	2	18	0.439 11.2	97 145	52 24	7.9 201
42022M180400800	4	18	0.510 13.0	134 199	104 47	9.2 233
42022M180600800	6	18	0.640 16.3	207 308	156 71	11.5 293
42022M180800800	8	18	0.692 17.6	250 372	208 94	12.5 316
42022M181200800	12	18	0.837 21.3	348 517	312 142	15.1 383
42022M181600800	16	18	0.972 24.7	472 703	416 189	17.5 444
42022M182400800	24	18	1.196 30.4	670 998	624 283	21.5 547
42022M183600800	36	18	1.372 34.9	921 1371	936 425	24.7 627
42021M200100800	1	20	0.283 7.2	41 61	16 7	5.1 129
42022M200200800	2	20	0.406 10.3	81 121	32 15	7.3 186
42022M200400800	4	20	0.470 11.9	109 163	64 29	8.5 215
42022M200600800	6	20	0.590 15.0	171 254	96 44	10.6 270
42022M200800800	8	20	0.636 16.2	204 304	128 58	11.5 291
42022M201200800	12	20	0.767 19.5	281 418	192 87	13.8 351
42022M201600800	16	20	0.892 22.7	382 569	256 116	16.1 408
42022M202400800	24	20	1.093 27.8	537 799	384 174	19.7 500
42022M203600800	36	20	1.251 31.8	729 1084	576 261	22.5 572

CSA LSZH Type CIC TC Tray Instrumentation, 300 V

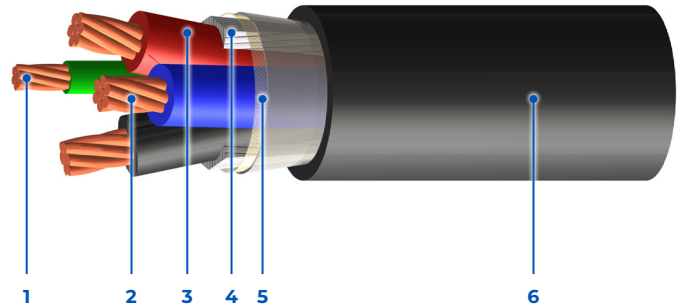
Triads

PART NUMBER	NUMBER OF TRIADS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	in. mm	lb/1000ft kg/km	lb kg	in. mm
42031M160100800	1	16	0.343 8.7	71 106	62 28	6.2 157
42032M160200800	2	16	0.572 14.5	170 254	124 56	10.3 262
42032M160400800	4	16	0.665 16.9	244 364	247 112	12.0 304
42032M160600800	6	16	0.795 20.2	347 516	371 168	14.3 364
42032M160800800	8	16	0.903 22.9	469 697	494 224	16.3 413
42032M161200800	12	16	1.093 27.8	660 982	742 336	19.7 500
42032M161600800	16	16	1.217 30.9	823 1224	989 449	21.9 556
42032M162400800	24	16	1.509 38.3	1186 1766	1483 673	27.2 690
42031M180100800	1	18	0.317 8.1	57 85	39 18	5.7 145
42032M180200800	2	18	0.496 12.6	121 180	78 35	8.9 227
42032M180400800	4	18	0.608 15.4	191 284	156 71	10.9 278
42032M180600800	6	18	0.724 18.4	268 399	234 106	13.0 331
42032M180800800	8	18	0.784 19.9	327 487	312 142	14.1 359
42032M181200800	12	18	0.993 25.2	503 748	468 212	17.9 454
42032M181600800	16	18	1.104 28.0	623 927	624 283	19.9 505
42032M182400800	24	18	1.364 34.7	889 1323	936 425	24.6 624
42031M200100800	1	20	0.296 7.5	48 71	24 11	5.3 135
42032M200200800	2	20	0.458 11.6	101 150	48 22	8.2 209
42032M200200800	2	20	0.458 11.6	101 150	48 22	8.2 209
42032M200200800	2	20	0.458 11.6	101 150	48 22	8.2 209
42032M200800800	8	20	0.721 18.3	261 388	192 87	13.0 330
42032M201200800	12	20	0.913 23.2	401 597	288 131	16.4 417
42032M201600800	16	20	1.012 25.7	492 732	384 174	18.2 463
42032M202400800	24	20	1.247 31.7	696 1036	576 261	22.4 570

CSA LSZH Type CIC TC Tray Control, Multi-Conductor, 300 V

LSZH Tray Control cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for concealed wiring in wet, damp or dry locations. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



1 – Insulated Bonding Conductor

2 – Stranded Bare Copper Conductors (Tin-coated Available)

3 – Halogen Free XLPE (RW90 Rated) Insulated Conductors

4 – Polypropylene Fillers

5 – Fiberglass Tape

6 – LSZH Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Shielding (foil-free edge):

- OS (optional)

Jacket:

- LSZH outer black jacket rated: 90°C

Available in:

- Custom insulation/ jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 230, Tray cables
- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- CSA C22.2 No. 2556/UL 2556 ST1 Limited Smoke rated
- XLPE (RW90) rated, 90°C wet/dry
- UV sunlight resistant

“SUN RES” (all colours)

- Direct burial rated
- -30°C cold bend/-25°C impact rated
- Halogen-free rated
- Rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater - Black, number-coded with white ink

300 V

Voltage
(Optional: 600,
1000 V)

CSA Type CIC TC

Control

CSA LSZH Type CIC TC Tray Control, Multi-Conductor, 300 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	AWG	in. / mm	lb/1000ft / kg/km	30°C ambient	lb / kg	in. / mm
42010M20020080G	2	20	20	0.291 7.4	44 65	3.5	24 11	2.6 66
42010M20030080G	3	20	20	0.313 8.0	51 77	3.5	32 15	2.8 72
42010M20040080G	4	20	20	0.338 8.6	61 91	2.8	40 18	3.0 77
42010M20050080G	5	20	20	0.364 9.3	70 104	2.8	48 22	3.3 83
42010M20060080G	6	20	20	0.364 9.3	74 110	2.45	56 25	3.3 83
42010M20080080G	8	20	20	0.416 10.6	93 139	2.45	72 33	3.7 95
42010M20100080G	10	20	20	0.450 11.4	107 159	2.45	88 40	4.0 103
42010M20120080G	12	20	20	0.471 12.0	118 175	2.45	104 47	4.2 108
42010M20150080G	15	20	20	0.510 13.0	139 206	2.45	128 58	4.6 117
42010M20200080G	20	20	20	0.592 15.0	190 283	2.45	168 76	5.3 135
42010M20250080G	25	20	20	0.652 16.6	226 337	2.1	208 94	5.9 149
42010M20300080G	30	20	20	0.699 17.8	258 384	2.1	248 112	6.3 160
42010M20400080G	40	20	20	0.780 19.8	325 483	2.1	328 149	7.0 178
42010M20500080G	50	20	20	0.845 21.5	384 572	1.75	408 185	7.6 193
42010M18020080G	2	18	18	0.312 7.9	53 79	5	39 18	2.8 71
42010M18030080G	3	18	18	0.337 8.6	63 94	5	52 24	3.0 77
42010M18040080G	4	18	18	0.365 9.3	76 114	4	65 29	3.3 83
42010M18050080G	5	18	18	0.394 10.0	88 131	4	78 35	3.5 90
42010M18060080G	6	18	18	0.394 10.0	93 139	3.5	91 41	3.5 90
42010M18080080G	8	18	18	0.453 11.5	118 175	3.5	117 53	4.1 103
42010M18100080G	10	18	18	0.490 12.5	136 203	3.5	143 65	4.4 112
42010M18120080G	12	18	18	0.513 13.0	153 227	3.5	169 77	4.6 117
42010M18150080G	15	18	18	0.587 14.9	200 297	3.5	208 94	5.3 134
42010M18200080G	20	18	18	0.645 16.4	246 366	3.5	273 124	5.8 147
42010M18250080G	25	18	18	0.712 18.1	295 439	3	338 153	6.4 163
42010M18300080G	30	18	18	0.765 19.4	338 503	3	403 183	6.9 175
42010M18400080G	40	18	18	0.895 22.7	468 696	3	533 242	8.1 205
42010M18500080G	50	18	18	0.967 24.6	554 825	2.5	663 301	8.7 221
42010M16020080G	2	16	16	0.338 8.6	71 105	10	62 28	3.0 77
42010M16030080G	3	16	16	0.366 9.3	82 122	10	82 37	3.3 84
42010M16040080G	4	16	16	0.398 10.1	97 145	8	103 47	3.6 91
42010M16050080G	5	16	16	0.430 10.9	113 168	8	124 56	3.9 98

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2 or Table 57. Values are corrected for number of insulated conductors as applicable according to Table 5C or Table 57.



CSA LSZH Type CIC TC Tray Control, Multi-Conductor, 300 V

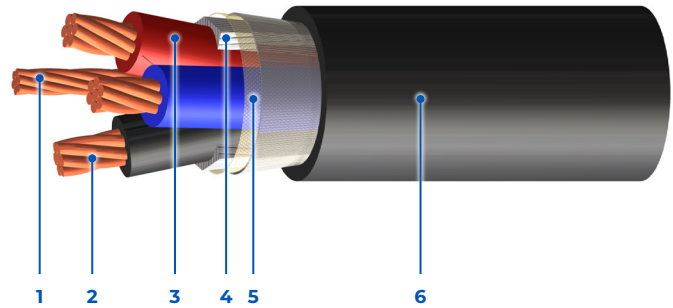
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	AWG	in. / mm	lb/1000ft / kg/km	30°C ambient	lb / kg	in. / mm
42010M16060080G	6	16	16	0.430 10.9	122 181	7	144 65	3.9 98
42010M16080080G	8	16	16	0.496 12.6	155 230	7	185 84	4.5 113
42010M16100080G	10	16	16	0.568 14.4	201 299	7	227 103	5.1 130
42010M16120080G	12	16	16	0.594 15.1	226 336	7	268 121	5.3 136
42010M16150080G	15	16	16	0.644 16.4	264 392	7	330 150	5.8 147
42010M16200080G	20	16	16	0.708 18.0	330 491	7	433 196	6.4 162
42010M16250080G	25	16	16	0.784 19.9	398 592	6	536 243	7.1 179
42010M16300080G	30	16	16	0.843 21.4	460 685	6	639 290	7.6 193
42010M16400080G	40	16	16	0.985 25.0	628 935	6	845 383	8.9 225
42010M16500080G	50	16	16	1.066 27.1	754 1122	5	1051 477	9.6 244
42010M14020080G	2	14	14	0.366 9.3	88 132	25	99 45	3.3 84
42010M14030080G	3	14	14	0.398 10.1	109 162	25	132 60	3.6 91
42010M14040080G	4	14	14	0.433 11.0	125 187	20	165 75	3.9 99
42010M14050080G	5	14	14	0.469 11.9	147 218	20	197 90	4.2 107
42010M14060080G	6	14	14	0.469 11.9	160 238	17.5	230 104	4.2 107
42010M14080080G	8	14	14	0.573 14.6	224 333	17.5	296 134	5.2 131
42010M14100080G	10	14	14	0.620 15.8	262 389	17.5	362 164	5.6 142
42010M14120080G	12	14	14	0.649 16.5	297 441	17.5	428 194	5.8 148
42010M14150080G	15	14	14	0.705 17.9	351 522	17.5	526 239	6.3 161
42010M14200080G	20	14	14	0.777 19.7	442 658	17.5	691 313	7.0 178
42010M14250080G	25	14	14	0.902 22.9	574 855	15	855 388	8.1 206
42010M14300080G	30	14	14	0.969 24.6	665 990	15	1020 463	8.7 221
42010M14400080G	40	14	14	1.082 27.5	847 1261	15	1349 612	9.7 247
42010M14500080G	50	14	14	1.173 29.8	1021 1520	12.5	1678 761	10.6 268

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2 or Table 57. Values are corrected for number of insulated conductors as applicable according to Table 5C or Table 57.

CSA LSZH Type CIC TC Tray Control, Multi-Conductor, 600 V

LSZH Tray Control cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for concealed wiring in wet, damp or dry locations. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



1 – Bonding Conductor

2 – Stranded Bare Copper Conductors (Tin-coated Available)

3 – XLPE (RW90 Rated) Insulated Conductors

4 – Polypropylene Fillers

5 – Fiberglass Tape

6 – LSZH Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Shielding (foil-free edge):

- OS (optional)

Jacket:

- LSZH outer black jacket rated: 90°C

Available in:

- Custom insulation/ jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 230, Tray cables
- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- CSA C22.2 No. 2556/UL 2556 ST1 Limited Smoke rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)

- Direct burial rated
- -30°C cold bend/-25°C impact rated
- Halogen-free rated
- Rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater - Black, number-coded with white ink

600 V

Voltage
(Optional: 300,
1000 V)

CSA Type CIC-TC

Control

CSA LSZH Type CIC TC Tray Control, Multi-Conductor, 600 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	AWG	in. / mm	lb/1000ft / kg/km	30°C ambient	lb / kg	in. / mm
49010M140200800	2	14	14	0.372 9.5	89 133	25	66 30	3.3 85
49010M140300800	3	14	14	0.403 10.2	107 159	25	99 45	3.6 92
49010M140400800	4	14	14	0.436 11.1	130 193	20	132 60	3.9 100
49010M140500800	5	14	14	0.465 11.8	146 218	20	165 75	4.2 106
49010M140600800	6	14	14	0.505 12.8	170 253	20	197 90	4.5 115
49010M140700800	7	14	14	0.575 14.6	212 315	17.5	230 104	5.2 131
49010M140800800	8	14	14	0.616 15.7	237 353	17.5	263 119	5.5 141
49010M141000800	10	14	14	0.668 17.0	275 410	17.5	329 149	6.0 153
49010M141200800	12	14	14	0.688 17.5	309 460	17.5	395 179	6.2 157
49010M141400800	14	14	14	0.722 18.4	351 522	17.5	461 209	6.5 165
49010M141500800	15	14	14	0.741 18.8	371 551	17.5	494 224	6.7 169
49010M142000800	20	14	14	0.841 21.4	470 699	17.5	658 298	7.6 192
49010M142500800	25	14	14	0.974 24.7	613 913	15	823 373	8.8 223
49010M143000800	30	14	14	1.028 26.1	703 1046	15	987 448	9.3 235
49010M144000800	40	14	14	1.147 29.1	898 1336	15	1316 597	10.3 262
49010M145000800	50	14	14	1.272 32.3	1087 1617	12.5	1645 746	11.4 291
49010M120200800	2	12	14	0.408 10.4	111 166	30	104 47	3.7 93
49010M120300800	3	12	14	0.443 11.3	140 208	30	157 71	4.0 101
49010M120400800	4	12	14	0.480 12.2	168 250	24	209 95	4.3 110
49010M120500800	5	12	14	0.514 13.1	200 297	24	261 118	4.6 117
49010M120600800	6	12	14	0.589 15.0	252 375	24	313 142	5.3 135
49010M120700800	7	12	14	0.634 16.1	287 427	21	365 166	5.7 145
49010M120800800	8	12	14	0.681 17.3	316 470	21	418 189	6.1 156
49010M121000800	10	12	14	0.740 18.8	371 553	21	522 237	6.7 169
49010M121200800	12	12	14	0.763 19.4	424 631	21	626 284	6.9 174
49010M121400800	14	12	14	0.802 20.4	479 713	21	731 331	7.2 183
49010M121500800	15	12	14	0.823 20.9	507 755	21	783 355	7.4 188
49010M122000800	20	12	14	0.976 24.8	693 1032	21	1044 474	8.8 223
49010M122500800	25	12	14	1.082 27.5	845 1257	18	1305 592	9.7 247
49010M123000800	30	12	14	1.144 29.1	975 1451	18	1566 710	10.3 261
49010M124000800	40	12	14	1.278 32.5	1258 1872	18	2088 947	11.5 292
49010M125000800	50	12	14	1.420 36.1	1533 2281	15	2610 1184	12.8 325

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA LSZH Type CIC TC Tray Control, Multi-Conductor, 600 V

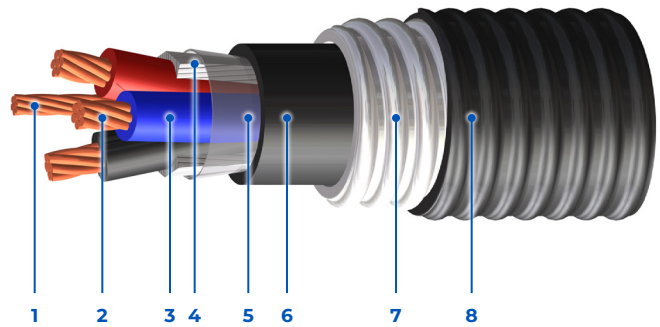
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	AWG	in. / mm	lb/1000ft / kg/km	30°C ambient	lb / kg	in. / mm
49010M100200800	2	10	12	0.458 11.6	153 227	40	166 75	4.1 105
49010M100300800	3	10	12	0.498 12.7	192 286	40	249 113	4.5 114
49010M100400800	4	10	12	0.572 14.5	257 383	32	332 151	5.2 131
49010M100500800	5	10	12	0.611 15.5	300 447	32	415 188	5.5 140
49010M100600800	6	10	12	0.664 16.9	350 521	32	498 226	6.0 152
49010M100700800	7	10	12	0.717 18.2	401 597	28	581 264	6.5 164
49010M100800800	8	10	12	0.771 19.6	446 664	28	664 301	6.9 176
49010M101000800	10	10	12	0.840 21.3	526 783	28	830 376	7.6 192
49010M101200800	12	10	12	0.906 23.0	642 956	28	996 452	8.2 207
49010M101400800	14	10	12	0.952 24.2	731 1087	28	1162 527	8.6 218
49010M101400800	14	10	12	0.952 24.2	731 1087	28	1162 527	8.6 218
49010M101500800	15	10	12	0.977 24.8	773 1151	28	1245 565	8.8 223
49010M101500800	15	10	12	0.977 24.8	773 1151	28	1245 565	8.8 223
49010M102500800	25	10	12	1.232 31.3	1211 1802	24	2075 941	11.1 282
49010M104000800	40	10	12	1.461 37.1	1828 2720	24	3320 1506	13.1 334
49010M105000800	50	10	12	1.626 41.3	2236 3327	20	4150 1882	14.6 372

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 600 V

LSZH AIA Control cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for exposed or concealed wiring in wet, damp or dry locations. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



- 1 – Bonding Conductor
- 2 – Stranded Bare Copper Conductors (Tin-coated Available)
- 3 – XLPE (RW90 Rated) Insulated Conductors
- 4 – Polypropylene Fillers

- 5 – Fiberglass Tape
- 6 – LSZH Inner Protective Jacket
- 7 – Aluminum Interlocked Armour (AIA)
- 8 – LSZH Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Shielding (foil-free edge):

- OS (optional)

Jacket:

- LSZH inner/outer black jacket rated: 90°C

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Available in:

- Custom insulation/jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- CSA C22.2 No. 2556/UL 2556 ST1 Limited Smoke rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated

- Halogen-free rated
- Rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater - Black, number-coded with white ink

600 V

Voltage
(Optional:
300, 1000 V)

CSA Type ACIC

Control

CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 600 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
69210M140200814	2	14	14	0.372 9.5	0.612 15.5	0.724 18.4	235 349	25	66 30	13.0 331
69210M140300814	3	14	14	0.403 10.2	0.643 16.3	0.755 19.2	263 391	25	99 45	13.6 345
69210M140400814	4	14	14	0.436 11.1	0.676 17.2	0.788 20.0	292 435	20	132 60	14.2 360
69210M140500814	5	14	14	0.465 11.8	0.705 17.9	0.817 20.8	321 477	20	165 75	14.7 374
69210M140600814	6	14	14	0.505 12.8	0.745 18.9	0.857 21.8	354 527	20	197 90	15.4 392
69210M140700814	7	14	14	0.575 14.6	0.815 20.7	0.927 23.6	413 615	17.5	230 104	16.7 424
69210M140800814	8	14	14	0.616 15.7	0.856 21.8	0.968 24.6	449 669	17.5	263 119	17.4 443
69210M141000814	10	14	14	0.668 17.0	0.908 23.1	1.020 25.9	501 746	17.5	329 149	18.4 466
69210M141200814	12	14	14	0.688 17.5	0.928 23.6	1.040 26.4	540 804	17.5	395 179	18.7 476
69210M141500814	15	14	14	0.741 18.8	0.981 24.9	1.093 27.8	615 915	17.5	494 224	19.7 500
69210M142000814	20	14	14	0.841 21.4	1.081 27.5	1.193 30.3	786 1170	17.5	658 298	21.5 545
69210M142500814	25	14	14	0.974 24.7	1.214 30.8	1.326 33.7	970 1443	15	823 373	23.9 606
69210M143000814	30	14	14	1.028 26.1	1.269 32.2	1.381 35.1	1077 1603	15	987 448	24.9 631
69210M144000814	40	14	14	1.147 29.1	1.387 35.2	1.499 38.1	1307 1945	15	1316 597	27.0 685
69210M145000814	50	14	14	1.272 32.3	1.512 38.4	1.624 41.2	1535 2284	12.5	1645 746	29.2 742
69210M120200814	2	12	14	0.408 10.4	0.648 16.5	0.760 19.3	265 394	30	104 47	13.7 347
69210M120300814	3	12	14	0.443 11.3	0.683 17.3	0.795 20.2	303 450	30	157 71	14.3 363
69210M120400814	4	12	14	0.480 12.2	0.721 18.3	0.833 21.2	342 508	24	209 95	15.0 381
69210M120500814	5	12	14	0.514 13.1	0.754 19.1	0.866 22.0	380 566	24	261 118	15.6 396
69210M120600814	6	12	14	0.589 15.0	0.829 21.1	0.941 23.9	451 671	24	313 142	16.9 430
69210M120700814	7	12	14	0.634 16.1	0.874 22.2	0.986 25.1	498 741	21	365 166	17.8 451
69210M120800814	8	12	14	0.681 17.3	0.921 23.4	1.033 26.2	545 811	21	418 189	18.6 472
69210M121000814	10	12	14	0.740 18.8	0.980 24.9	1.092 27.7	615 915	21	522 237	19.7 499
69210M121200814	12	12	14	0.763 19.4	0.982 25.0	1.095 27.8	713 1060	21	626 284	19.7 500
69210M121500814	15	12	14	0.823 20.9	1.063 27	1.175 29.9	818 1218	21	783 355	21.2 537
69210M122000814	20	12	14	0.976 24.8	1.216 30.9	1.328 33.7	1052 1565	21	1044 474	23.9 607
69210M122500814	25	12	14	1.082 27.5	1.322 33.6	1.434 36.4	1234 1836	18	1305 592	25.8 656
69210M123000814	30	12	14	1.144 29.1	1.384 35.2	1.496 38.0	1384 2060	18	1566 710	26.9 684
69210M124000814	40	12	14	1.278 32.5	1.518 38.6	1.630 41.4	1708 2542	18	2088 947	29.3 745
69210M125000814	50	12	14	1.420 36.1	1.660 42.2	1.792 45.5	2065 3073	15	2610 1184	32.3 819

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2 or Table 57. Values are corrected for number of insulated conductors as applicable according to Table 5C or Table 57.

CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 600 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
69210M180200814	2	10	12	0.458 11.6	0.698 17.7	0.810 20.6	317 471	40	166 75	14.6 370
69210M180300814	3	10	12	0.498 12.7	0.739 18.8	0.851 21.6	370 550	40	249 113	15.3 389
69210M180400814	4	10	12	0.572 14.5	0.813 20.6	0.925 23.5	450 670	32	332 151	16.6 423
69210M180500814	5	10	12	0.611 15.5	0.851 21.6	0.963 24.5	506 753	32	415 188	17.3 440
69210M180600814	6	10	12	0.664 16.9	0.904 23.0	1.016 25.8	568 845	32	498 226	18.3 465
69210M180700814	7	10	12	0.717 18.2	0.957 24.3	1.069 27.2	631 940	28	581 264	19.2 489
69210M180800814	8	10	12	0.771 19.6	0.991 25.2	1.103 28.0	737 1096	28	664 301	19.9 504
69210M181000814	10	10	12	0.840 21.3	1.080 27.4	1.192 30.3	842 1254	28	830 376	21.5 545
69210M181200814	12	10	12	0.906 23.0	1.147 29.1	1.258 32.0	979 1456	28	996 452	22.7 575
69210M181500814	15	10	12	0.977 24.8	1.217 30.9	1.329 33.8	1131 1684	28	1245 565	23.9 608
69210M182000814	20	10	12	1.109 28.2	1.349 34.3	1.461 37.1	1388 2066	28	1660 753	26.3 668
69210M182500814	25	10	12	1.232 31.3	1.472 37.4	1.584 40.2	1646 2449	24	2075 941	28.5 724
69210M183000814	30	10	12	1.304 33.1	1.544 39.2	1.676 42.6	1903 2832	24	2490 1129	30.2 766
69210M184000814	40	10	12	1.461 37.1	1.701 43.2	1.833 46.6	2372 3530	24	3320 1506	33.0 838
69210M185000814	50	10	12	1.626 41.3	1.931 49.1	2.063 52.4	2926 4354	20	4150 1882	37.1 943
69210M160200814	2	16	16	0.346 8.8	0.346 8.8	0.698 17.7	211 314	10	41 19	12.6 319
69210M160300814	3	16	16	0.374 9.5	0.374 9.5	0.726 18.4	233 347	10	62 28	13.1 332
69210M160400814	4	16	16	0.404 10.3	0.404 10.3	0.756 19.2	256 381	8	82 37	13.6 346
69210M160500814	5	16	16	0.430 10.9	0.430 10.9	0.782 19.9	279 415	8	103 47	14.1 358
69210M160600814	6	16	16	0.466 11.8	0.466 11.8	0.818 20.8	305 453	8	124 56	14.7 374
69210M160700814	7	16	16	0.502 12.8	0.502 12.8	0.854 21.7	331 493	7	144 65	15.4 390
69210M160800814	8	16	16	0.569 14.5	0.569 14.5	0.921 23.4	386 575	7	165 75	16.6 421
69210M161000814	10	16	16	0.616 15.7	0.616 15.7	0.968 24.6	425 632	7	206 93	17.4 443
69210M161200814	12	16	16	0.634 16.1	0.634 16.1	0.986 25.1	455 677	7	247 112	17.8 451
69210M161500814	15	16	16	0.682 17.3	0.682 17.3	1.034 26.3	508 756	7	309 140	18.6 473
69210M162000814	20	16	16	0.772 19.6	0.772 19.6	1.104 28.0	646 962	7	412 187	19.9 505
69210M162500814	25	16	16	0.896 22.8	0.896 22.8	1.248 31.7	802 1193	6	515 234	22.5 571
69210M163000814	30	16	16	0.945 24.0	0.945 24.0	1.297 32.9	879 1308	6	618 280	23.3 593
69210M164000814	40	16	16	1.052 26.7	1.052 26.7	1.404 35.7	1058 1574	6	824 374	25.3 642
69210M165000814	50	16	16	1.165 29.6	1.165 29.6	1.517 38.5	1229 1828	5	1030 467	27.3 693

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2 or Table 57. Values are corrected for number of insulated conductors as applicable according to Table 5C or Table 57.

CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 600 V

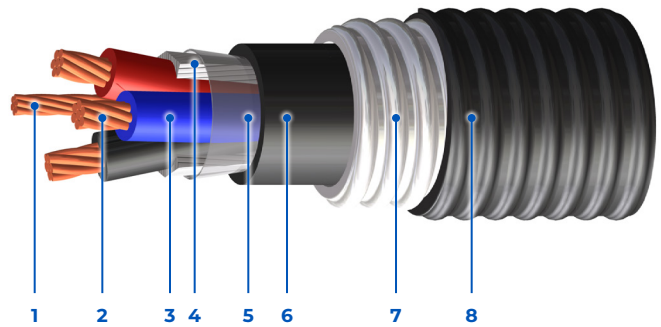
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
69210M180200814	2	18	18	0.322 8.2	0.322 8.2	0.674 17.1	191 285	5	26 12	12.1 308
69210M180300814	3	18	18	0.338 8.6	0.338 8.6	0.690 17.5	205 306	5	39 18	12.4 316
69210M180400814	4	18	18	0.366 9.3	0.366 9.3	0.719 18.3	224 333	4	52 24	12.9 329
69210M180500814	5	18	18	0.398 10.1	0.398 10.1	0.749 19.0	246 366	4	65 29	13.5 343
69210M180600814	6	18	18	0.430 10.9	0.430 10.9	0.782 19.9	267 397	4	78 35	14.1 358
69210M180700814	7	18	18	0.462 11.7	0.462 11.7	0.814 20.7	289 430	3.5	91 41	14.7 372
69210M180800814	8	18	18	0.496 12.6	0.496 12.6	0.848 21.5	311 462	3.5	104 47	15.3 388
69210M181000814	10	18	18	0.568 14.4	0.568 14.4	0.920 23.4	367 546	3.5	130 59	16.6 421
69210M181200814	12	18	18	0.584 14.8	0.584 14.8	0.936 23.8	389 579	3.5	156 71	16.9 428
69210M181500814	15	18	18	0.627 15.9	0.627 15.9	0.979 24.9	429 639	3.5	195 88	17.6 448
69210M182000814	20	18	18	0.708 18.0	0.708 18.0	1.061 26.9	507 755	3.5	260 118	19.1 485
69210M182500814	25	18	18	0.784 19.9	0.784 19.9	1.136 28.9	626 931	3	325 147	20.4 519
69210M183000814	30	18	18	0.828 21.0	0.828 21.0	1.181 30.0	681 1014	3	390 177	21.2 540
69210M184000814	40	18	18	0.964 24.5	0.964 24.5	1.316 33.4	866 1289	3	520 236	23.7 602
69210M185000814	50	18	18	1.066 27.1	1.066 27.1	1.418 36.0	998 1485	2.5	650 295	25.5 648

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2 or Table 57. Values are corrected for number of insulated conductors as applicable according to Table 5C or Table 57.

CSA LSZH Type ACIC Armoured Power, Multi-Conductor, 1000 V

LSZH AIA Control cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for exposed or concealed wiring in wet, damp or dry locations. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



- 1 – Bonding Conductor
- 2 – Stranded Bare Copper Conductors (Tin-coated Available)
- 3 – XLPE (RW90 Rated) Insulated Conductors
- 4 – Polypropylene Fillers

- 5 – Fiberglass Tape
- 6 – LSZH Inner Protective Jacket
- 7 – Aluminum Interlocked Armour (AIA)
- 8 – LSZH Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Shielding (foil-free edge):

- OS (optional)

Jacket:

- LSZH outer black jacket rated: 90°C

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Available in:

- Custom insulation/jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- CSA C22.2 No. 2556/UL 2556 ST1 Limited Smoke rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/impact rated

- Halogen-free rated
- Rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically circuits cables only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater - Black, number-coded with white ink

1000 V

Voltage
(Optional: 300,
600 V)

CSA Type ACIC

Power

CSA LSZH Type ACIC Armoured Power, Multi-Conductor, 1000 V

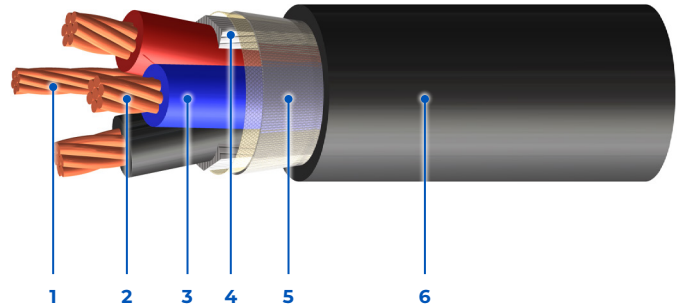
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
60210M080200814	2	8	10	0.606 15.4	0.846 21.5	0.958 24.3	451 671	55	265 120	17.2 438
60210M060200814	2	6	8	0.744 18.9	0.984 25.0	1.096 27.8	605 901	75	419 190	19.7 501
60210M040200814	2	4	8	0.838 21.3	1.078 27.4	1.19 30.2	797 1187	95	668 303	21.4 544
60210M030200814	2	3	6	0.932 23.7	1.172 29.8	1.284 32.6	978 1456	115	842 382	23.1 587
60210M020200814	2	2	6	0.994 25.3	1.234 31.3	1.346 34.2	1102 1640	130	1062 482	24.2 615
60210M010240814	2	1	6	1.152 29.3	1.392 35.4	1.504 38.2	1319 1963	145	1339 607	27.1 688
60210M1/0240814	2	1/0	6	1.232 31.3	1.472 37.4	1.584 40.2	1507 2243	170	1690 766	28.5 724
60210M2/0240814	2	2/0	6	1.318 33.5	1.558 39.6	1.69 42.9	1770 2635	195	2130 966	30.4 773
60210M3/0240814	2	3/0	4	1.420 36.1	1.660 42.2	1.792 45.5	2105 3132	225	2671 1212	32.3 819
60210M4/0240814	2	4/0	4	1.532 38.9	1.837 46.7	1.969 50.0	2541 3782	260	3386 1536	35.4 900
60210M080300814	3	8	10	0.660 16.8	0.900 22.9	1.012 25.7	537 799	55	397 180	18.2 463
60210M060300814	3	6	8	0.813 20.7	1.054 26.8	1.166 29.6	782 1164	75	629 285	21.0 533
60210M040300814	3	4	8	0.930 23.6	1.171 29.7	1.283 32.6	1029 1532	95	1002 454	23.1 586
60210M030300814	3	3	6	0.988 25.1	1.229 31.2	1.341 34.1	1200 1785	115	1263 573	24.1 613
60210M020300814	3	2	6	1.055 26.8	1.295 32.9	1.407 35.8	1372 2042	130	1593 723	25.3 643
60210M010340814	3	1	6	1.225 31.1	1.465 37.2	1.577 40.1	1664 2477	145	2009 911	28.4 721
60210M1/0340814	3	1/0	6	1.311 33.3	1.551 39.4	1.683 42.7	1966 2926	170	2534 1150	30.3 769
60210M2/0340814	3	2/0	6	1.403 35.7	1.644 41.7	1.775 45.1	2290 3409	195	3194 1449	32.0 812
60210M3/0240814	3	3/0	4	1.420 36.1	1.660 42.2	1.792 45.5	2105 3132	225	2671 1212	32.3 819
60210M4/0340814	3	4/0	4	1.633 41.5	1.938 49.2	2.071 52.6	3335 4964	260	5078 2304	37.3 947
60210M080400814	4	8	10	0.719 18.3	0.959 24.4	1.071 27.2	625 930	55	529 240	19.3 490
60210M060400814	4	6	8	0.929 23.6	1.169 29.7	1.281 32.5	971 1445	75	839 380	23.1 586
60210M040400814	4	4	8	1.045 26.6	1.286 32.7	1.398 35.5	1248 1857	95	1336 606	25.2 639
60210M030400814	4	3	6	1.112 28.3	1.353 34.4	1.465 37.2	1455 2165	115	1684 764	26.4 670
60210M020400814	4	2	6	1.189 30.2	1.429 36.3	1.541 39.1	1679 2498	130	2124 964	27.7 705
60210M010440814	4	1	6	1.351 34.3	1.591 40.4	1.723 43.8	2082 3098	145	2678 1215	31.0 788
60210M1/0440814	4	1/0	6	1.448 36.8	1.688 42.9	1.82 46.2	2436 3626	170	3379 1533	32.8 832
60210M2/0440814	4	2/0	6	1.551 39.4	1.856 47.2	1.988 50.5	2948 4387	195	4259 1932	35.8 909
60210M3/0440814	4	3/0	4	1.674 42.5	1.979 50.3	2.111 53.6	3531 5255	225	5343 2423	38.0 965
60210M4/0440814	4	4/0	4	1.869 47.5	2.174 55.2	2.306 58.6	4336 6453	260	6771 3071	41.5 1054

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2 or Table 57. Values are corrected for number of insulated conductors as applicable according to Table 5C or Table 57.

CSA LSZH Type CIC TC Tray Power, Multi-Conductor, 1000 V

LSZH Tray Power cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for concealed wiring in wet, damp or dry locations. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



- 1 – Bonding Conductor
- 2 – Stranded Bare Copper Conductors (Tin-coated Available)
- 3 – XLPE (RW90 Rated) Insulated Conductors

- 4 – Polypropylene Fillers
- 5 – Fiberglass Tape
- 6 – LSZH Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Shielding (foil-free edge):

- OS (optional)

Jacket:

- LSZH outer black jacket rated: 90°C

Available in:

- Custom insulation/ jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 230, Tray cables
- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 NO. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- CSA C22.2 No. 2556/UL 2556 ST1 Limited Smoke rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -30°C cold bend/-25°C impact rated

- Halogen-free rated
- Rated for use in hazardous locations:
 - Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater - Black, number-coded with white ink

1000 V

Voltage
(Optional: 600 V)

CSA Type CIC TC

Power

CSA LSZH Type CIC TC Tray Power, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	AWG	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
40010M140200800	2	14	14	0.432 11.0	104 155	25	66 30	3.9 99
40010M120200800	2	12	14	0.468 11.9	128 190	30	104 47	4.2 107
40010M100200800	2	10	12	0.518 13.2	170 253	40	166 75	4.7 118
40010M080200800	2	8	10	0.606 15.4	257 382	55	265 120	5.5 139
40010M060200800	2	6	8	0.744 18.9	382 568	75	419 190	6.7 170
40010M040200800	2	4	8	0.838 21.3	513 764	95	668 303	7.5 192
40010M030200800	2	3	6	0.932 23.7	673 1001	115	842 382	8.4 213
40010M020200800	2	2	6	0.994 25.3	783 1165	130	1062 482	8.9 227
40010M010240800	2	1	6	1.152 29.3	977 1454	145	1339 607	10.4 263
40010M1/0240800	2	1/0	6	1.232 31.3	1145 1704	170	1690 766	11.1 282
40010M2/0240800	2	2/0	6	1.318 33.5	1364 2030	195	2130 966	11.9 301
40010M3/0240800	2	3/0	4	1.420 36.1	1675 2492	225	2671 1212	12.8 325
40010M4/0240800	2	4/0	4	1.532 38.9	2015 2999	260	3386 1536	13.8 350
40010M140300800	3	14	14	0.470 11.9	126 188	25	99 45	4.2 107
40010M120300800	3	12	14	0.510 13.0	159 237	30	157 71	4.6 117
40010M100300800	3	10	12	0.595 15.1	234 349	40	249 113	5.4 136
40010M080300800	3	8	10	0.660 16.8	325 484	55	397 180	5.9 151
40010M060300800	3	6	8	0.813 20.7	490 730	75	629 285	7.3 186
40010M040300800	3	4	8	0.930 23.6	710 1056	95	1002 454	8.4 213
40010M030300800	3	3	6	0.988 25.1	862 1283	115	1263 573	8.9 226
40010M020300800	3	2	6	1.055 26.8	1022 1521	130	1593 723	9.5 241
40010M010340800	3	1	6	1.225 31.1	1278 1901	145	2009 911	11.0 280
40010M1/0340800	3	1/0	6	1.311 33.3	1516 2256	170	2534 1150	11.8 300
40010M2/0340800	3	2/0	6	1.403 35.7	1819 2707	195	3194 1449	12.6 321
40010M3/0340800	3	3/0	4	1.513 38.4	2257 3359	225	4007 1818	13.6 346
40010M4/0340800	3	4/0	4	1.633 41.5	2745 4085	260	5078 2304	14.7 373
40010M140400800	4	14	14	0.510 13.0	150 223	25	132 60	4.6 117
40010M120400800	4	12	14	0.585 14.9	213 317	30	209 95	5.3 134
40010M100400800	4	10	12	0.647 16.4	284 423	40	332 151	5.8 148
40010M080400800	4	8	10	0.719 18.3	397 590	55	529 240	6.5 164

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA LSZH Type CIC TC Tray Power, Multi-Conductor, 1000 V

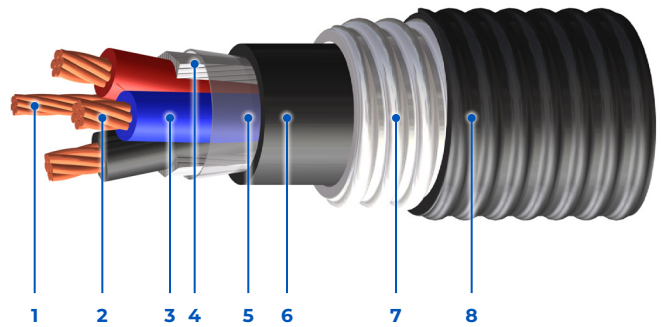
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		AWG	AWG	in. / mm	lb/1000ft / kg/km	30°C ambient	lb / kg	in. / mm
40010M060400800	4	6	8	0.929 23.6	646 962	75	839 380	8.4 212
40010M040400800	4	4	8	1.045 26.6	888 1322	95	1336 606	9.4 239
40010M030400800	4	3	6	1.112 28.3	1084 1614	115	1684 764	10.0 254
40010M020400800	4	2	6	1.189 30.2	1295 1928	130	2124 964	10.7 272
40010M010440800	4	1	6	1.351 34.3	1622 2414	145	2678 1215	12.2 309
40010M1/0440800	4	1/0	6	1.448 36.8	1924 2863	170	3379 1533	13.0 331
40010M2/0440800	4	2/0	6	1.551 39.4	2351 3499	195	4259 1932	14.0 355
40010M3/0440800	4	3/0	4	1.674 42.5	2889 4299	225	5343 2423	15.1 383
40010M4/0440800	4	4/0	4	1.869 47.5	3663 5451	230	6771 3071	16.8 427

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 1000 V

LSZH AIA Control cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for exposed or concealed wiring in wet, damp or dry locations. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



- 1 – Bonding Conductor
- 2 – Stranded Bare Copper Conductors (Tin-coated Available)
- 3 – XLPE (RW90 Rated) Insulated Conductors
- 4 – Polypropylene Fillers

- 5 – Fiberglass Tape
- 6 – LSZH Inner Protective Jacket
- 7 – Aluminum Interlocked Armour (AIA)
- 8 – LSZH Outer Protective Jacket

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Shielding (foil-free edge):

- OS (optional)

Jacket:

- LSZH inner/outer black jacket rated: 90°C

Armour:

- Aluminum Interlocked Armour (AIA) (standard)
- Steel Interlocked Armour (SIA) (optional)

Available in:

- Custom insulation/ jacket colours
- Composite constructions

Certification/Compliances

- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- CSA C22.2 No. 2556/UL 2556 ST1 Limited Smoke rated
- XLPE (RW90 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- -40°C cold bend/ impact rated

- Halogen-free rated
- Rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)

Colour Coding

- 2C – Black & white
- 3C – Black, red & blue
- 4C – Black, red, blue & white
- 5C and greater - Black, number-coded with white ink

1000 V

Voltage
(Optional: 300, 600 V)

CSA Type ACIC

Control

CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
60210M160200814	2	16	16	0.406 10.3	0.646 16.4	0.758 19.3	238 354	10	41 19	13.6 347
60210M160300814	3	16	16	0.44 11.2	0.680 17.3	0.792 20.1	265 395	10	62 28	14.3 362
60210M160400814	4	16	16	0.478 12.1	0.718 18.2	0.830 21.2	295 438	8	82 37	14.9 379
60210M160500814	5	16	16	0.511 13.0	0.751 19.1	0.863 21.9	323 480	8	103 47	15.5 395
60210M160600814	6	16	16	0.586 14.9	0.826 21.0	0.938 23.8	381 568	8	124 56	16.9 429
60210M160700814	7	16	16	0.631 16.0	0.871 22.1	0.983 25.0	417 621	7	144 65	17.7 449
60210M160800814	8	16	16	0.677 17.2	0.917 23.3	1.029 26.2	454 675	7	165 75	18.5 471
60210M161000814	10	16	16	0.736 18.7	0.976 24.8	1.088 27.6	502 747	7	206 93	19.6 497
60210M161200814	12	16	16	0.759 19.3	0.998 25.4	1.110 28.2	539 803	7	247 112	20.0 508
60210M161500814	15	16	16	0.819 20.8	1.058 26.9	1.170 29.7	652 970	7	309 140	21.1 535
60210M162000814	20	16	16	0.971 24.7	1.211 30.8	1.323 33.6	831 1237	7	412 187	23.8 605
60210M162500814	25	16	16	1.076 27.3	1.316 33.4	1.428 36.3	960 1428	6	515 234	25.7 653
60210M163000814	30	16	16	1.138 28.9	1.378 35.0	1.490 37.8	1056 1572	6	618 280	26.8 681
60210M164000814	40	16	16	1.271 32.3	1.511 38.4	1.623 41.2	1273 1894	6	824 374	29.2 742
60210M165000814	50	16	16	1.412 35.9	1.652 42.0	1.784 45.3	1522 2265	5	1030 467	32.1 816
60210M140200814	2	14	14	0.432 11.0	0.672 17.1	0.784 19.9	263 391	25	66 30	14.1 358
60210M140300814	3	14	14	0.47 11.9	0.710 18.0	0.822 20.9	296 440	25	99 45	14.8 376
60210M140400814	4	14	14	0.510 13.0	0.750 19.1	0.862 21.9	331 492	20	132 60	15.5 394
60210M140500814	5	14	14	0.576 14.7	0.816 20.7	0.928 23.6	392 583	20	165 75	16.7 424
60210M140600814	6	14	14	0.625 15.9	0.865 22.0	0.977 24.8	434 645	20	197 90	17.6 447
60210M140700814	7	14	14	0.674 17.1	0.914 23.2	1.026 26.1	476 708	17.5	230 104	18.5 469
60210M140800814	8	14	14	0.724 18.4	0.964 24.5	1.076 27.3	520 775	17.5	263 119	19.4 492
60210M141000814	10	14	14	0.788 20.0	1.028 26.1	1.140 29.0	625 930	17.5	329 149	20.5 521
60210M141200814	12	14	14	0.813 20.6	1.052 26.7	1.164 29.6	673 1002	17.5	395 179	21.0 532
60210M141500814	15	14	14	0.918 23.3	1.158 29.4	1.270 32.3	812 1209	17.5	494 224	22.9 581
60210M142000814	20	14	14	1.040 26.4	1.280 32.5	1.392 35.4	974 1449	17.5	658 298	25.1 636
60210M142500814	25	14	14	1.154 29.3	1.394 35.4	1.506 38.3	1135 1689	15	823 373	27.1 689
60210M143000814	30	14	14	1.221 31.0	1.461 37.1	1.573 40.0	1257 1871	15	987 448	28.3 719
60210M144000814	40	14	14	1.366 34.7	1.606 40.8	1.738 44.1	1572 2339	15	1316 597	31.3 794
60210M145000814	50	14	14	1.519 38.6	1.759 44.7	1.891 48.0	1843 2742	12.5	1645 746	34.0 865

* Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA LSZH Type ACIC Armoured Control, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY*	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
60210M120200814	2	12	14	0.468 11.9	0.708 18.0	0.82 20.8	293 436	30	104 47	14.8 375
60210M120300814	3	12	14	0.510 13.0	0.750 19.0	0.862 21.9	337 502	30	157 71	15.5 394
60210M120400814	4	12	14	0.585 14.9	0.825 21.0	0.937 23.8	409 609	24	209 95	16.9 428
60210M120500814	5	12	14	0.625 15.9	0.865 22.0	0.980 24.8	455 677	24	261 118	17.6 446
60210M120600814	6	12	14	0.679 17.3	0.919 23.3	1.031 26.2	508 757	24	313 142	18.6 471
60210M120700814	7	12	14	0.733 18.6	0.973 24.7	1.085 27.6	563 837	21	365 166	19.5 496
60210M120800814	8	12	14	0.789 20.1	1.029 26.1	1.141 29.0	664 988	21	418 189	20.5 522
60210M121000814	10	12	14	0.900 22.9	1.140 29.0	1.252 31.8	797 1186	21	522 237	22.5 572
60210M121200814	12	12	14	0.927 23.6	1.167 29.7	1.279 32.5	865 1287	21	626 284	23.0 585
60210M121500814	15	12	14	1.000 25.4	1.240 31.5	1.352 34.3	987 1469	21	783 355	24.3 618
60210M122000814	20	12	14	1.135 28.9	1.375 34.9	1.487 37.8	1197 1782	21	1044 474	26.8 680
60210M122500814	25	12	14	1.262 32.1	1.502 38.2	1.614 41.0	1408 2096	18	1305 592	29.1 738
60210M123000814	30	12	14	1.336 34.0	1.576 40.0	1.708 43.4	1616 2405	18	1566 710	30.7 781
60210M124000814	40	12	14	1.497 38.0	1.737 44.1	1.869 47.5	1989 2960	18	2088 947	33.7 855
60210M125000814	50	12	14	1.667 42.4	1.972 50.1	2.105 53.5	2448 3644	15	2610 1184	37.9 962
60210M100200814	2	10	12	0.518 13.2	0.758 19.3	0.870 22.1	346 515	40	166 75	15.7 398
60210M100300814	3	10	12	0.595 15.1	0.836 21.2	0.948 24.1	432 643	40	249 113	17.1 433
60210M100400814	4	10	12	0.647 16.4	0.887 22.5	0.999 25.4	495 736	32	332 151	18.0 457
60210M100500814	5	10	12	0.692 17.6	0.932 23.7	1.044 26.5	558 830	32	415 188	18.8 477
60210M100600814	6	10	12	0.754 19.2	0.994 25.3	1.106 28.1	629 936	32	498 226	19.9 506
60210M100700814	7	10	12	0.816 20.7	1.056 26.8	1.168 29.7	746 1111	28	581 264	21.0 534
60210M100800814	8	10	12	0.920 23.4	1.160 29.5	1.271 32.3	875 1303	28	664 301	22.9 581
60210M101000814	10	10	12	1.000 25.4	1.240 31.5	1.352 34.3	991 1475	28	830 376	24.3 618
60210M101200814	12	10	12	1.031 26.2	1.271 32.3	1.383 35.1	1088 1619	28	996 452	24.9 632
60210M101500814	15	10	12	1.113 28.3	1.353 34.4	1.465 37.2	1256 1869	28	1245 565	26.4 670
60210M102000814	20	10	12	1.268 32.2	1.508 38.3	1.620 41.2	1543 2297	28	1660 753	29.2 741
60210M102500814	25	10	12	1.412 35.9	1.652 42.0	1.784 45.3	1871 2784	24	2075 941	32.1 816
60210M103000814	30	10	12	1.496 38.0	1.737 44.1	1.868 47.5	2114 3146	24	2490 1129	33.6 854
60210M104000814	40	10	12	1.680 42.7	1.985 50.4	2.117 53.8	2730 4063	24	3320 1506	38.1 968
60210M105000814	50	10	12	1.933 49.1	2.239 56.9	2.371 60.2	3396 5053	20	4150 1882	42.7 1084

* Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

BUILDING WIRE

SINGLE CONDUCTOR POWER DISTRIBUTION CABLE

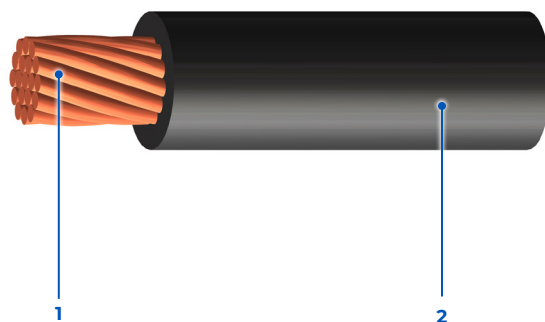
Providing various single conductor cables used for industrial, commercial, and residential buildings and installations for the purpose of power distribution.

BUILDING WIRE	95-101
CSA Type RW90, Single Conductor, 600 V	96
CSA Type RW90, Single Conductor, 1000 V	98
CSA Type RWU90, Single Conductor, 1000 V	100

CSA Type RW90, Single Conductor, 600 V

For use in open wiring and raceways (with the exception of cable troughs and ventilated flexible cableways) in dry or wet locations. For open wiring exposed to the weather. Maximum conductor temperature 90°C.

Standards:



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – XLPE (RW90 Rated) Insulated Conductor

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Available in:

- All colours
- Aluminum conductor
- FT1 flame test
- FT4 flame test
- Sunlight resistant
- Oil Resistant PRI
- Halogen-free

Certification/Compliances

- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- - 40°C cold bend/impact rated

600 V

Voltage

Optional:
1000, 2000 V

CSA Type RW90

Power

Colour Coding

- Black conductor (standard)

CSA Type RW90, Single Conductor, 600 V

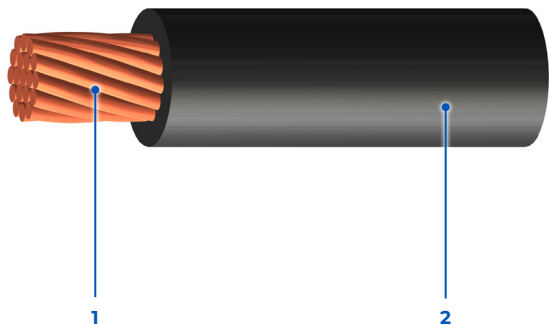
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	INSULATION THICKNESS	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
		AWG or kcmil	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
19010M12010BN00	1	12	0.030 0.8	0.151 3.9	25 37	40	52 24	1.4 35
19010M10010BN00	1	10	0.030 0.8	0.176 4.5	37 56	55	83 38	1.6 40
19010M08010BN00	1	8	0.045 1.1	0.235 6.0	63 94	80	132 60	2.1 54
19010M06010BN00	1	6	0.045 1.1	0.272 6.9	96 142	105	210 95	2.4 62
19010M04010BN00	1	4	0.045 1.1	0.319 8.1	147 219	140	334 151	2.9 73
19010M03010BN00	1	3	0.045 1.1	0.346 8.8	183 272	165	421 191	3.1 79
19010M02010BN00	1	2	0.045 1.1	0.377 9.6	228 339	190	531 241	3.4 86
19010M01014BN00	1	1	0.055 1.4	0.436 11.1	289 430	220	670 304	3.9 100
19010M1/014BN00	1	1/0	0.055 1.4	0.476 12.1	360 536	260	845 383	4.3 109
19010M2/014BN00	1	2/0	0.055 1.4	0.519 13.2	449 669	300	1065 483	4.7 119
19010M3/014BN00	1	3/0	0.055 1.4	0.570 14.5	562 836	350	1336 606	5.1 130
19010M4/014BN00	1	4/0	0.055 1.4	0.626 15.9	703 1046	405	1693 768	5.6 143
19010M25016BN00	1	250	0.065 1.7	0.692 17.6	824 1227	455	2000 907	6.2 158
19010M35016BN00	1	350	0.065 1.7	0.795 20.2	1142 1700	570	2800 1270	7.2 182
19010M50016BN00	1	500	0.065 1.7	0.923 23.4	1616 2405	700	4000 1814	8.3 211
19010M75016BN00	1	750	0.080 2.0	1.132 28.8	2424 3608	885	6000 2722	10.2 259
19010MA0016BN00	1	1000	0.080 2.0	1.281 32.5	3197 4758	1055	8000 3629	11.5 293

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 1.

CSA Type RW90, Single Conductor, 1000 V

For use in open wiring and raceways (with the exception of cable troughs and ventilated flexible cableways) in dry or wet locations. For open wiring exposed to the weather. Maximum conductor temperature 90°C.

Standards:



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – XLPE (RW90 Rated) Insulated Conductor

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Available in:

- All colours
- Aluminum conductor
- FT1 flame test
- FT4 flame test
- Sunlight resistant
- Oil Resistant PRI
- Halogen-free

Certification/Compliances

- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- - 40°C cold bend/impact rated

1000 V

Voltage

Optional 600, 2000 V

CSA Type RW90

Power

Colour Coding

- Black conductor (standard)

CSA Type RW90, Single Conductor, 1000 V

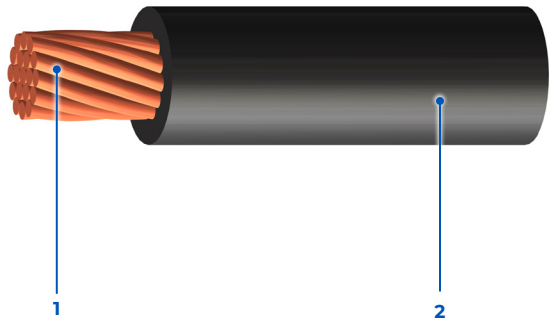
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	INSULATION THICKNESS	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
		AWG or kcmil	in. / mm	in. / mm	lb/1000ft / kg/km	30°C ambient	lb / kg	in. / mm
10010M08010BN00	1	8	0.060 1.5	0.265 6.7	68 101	80	132 60	2.4 61
10010M06010BN00	1	6	0.060 1.5	0.302 7.7	101 150	105	210 95	2.7 69
10010M04010BN00	1	4	0.060 1.5	0.349 8.9	153 228	140	334 151	3.1 80
10010M03010BN00	1	3	0.060 1.5	0.376 9.6	190 282	165	421 191	3.4 86
10010M02010BN00	1	2	0.060 1.5	0.407 10.3	235 350	190	531 241	3.7 93
10010M01014BN00	1	1	0.080 2.0	0.486 12.3	303 451	220	670 304	4.4 111
10010M1/014BN00	1	1/0	0.080 2.0	0.526 13.4	376 559	260	845 383	4.7 120
10010M2/014BN00	1	2/0	0.080 2.0	0.569 14.5	467 694	300	1065 483	5.1 130
10010M3/014BN00	1	3/0	0.080 2.0	0.620 15.8	580 864	350	1336 606	5.6 142
10010M4/014BN00	1	4/0	0.080 2.0	0.676 17.2	723 1076	405	1693 768	6.1 155
10010M25016BN00	1	250	0.090 2.3	0.742 18.9	847 1260	455	2000 907	6.7 170
10010M35016BN00	1	350	0.090 2.3	0.845 21.5	1168 1738	570	2800 1270	7.6 193
10010M50016BN00	1	500	0.090 2.3	0.973 24.7	1646 2449	700	4000 1814	8.8 222
10010M75016BN00	1	750	0.090 2.3	1.152 29.3	2439 3629	885	6000 2722	10.4 263
10010MA0016BN00	1	1000	0.090 2.3	1.301 33.1	3214 4782	1055	8000 3629	11.7 297

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 1.

CSA Type RWU90, Single Conductor, 1000 V

For use in open wiring and raceways (with the exception of cable troughs and ventilated flexible cableways) in dry or wet locations. For open wiring exposed to the weather. Maximum conductor temperature 90°C.

Standards:



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – XLPE (RW90 Rated) Insulated Conductor

Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry

Available in:

- All colours
- Aluminum conductor
- FT1 flame test
- FT4 flame test
- Sunlight resistant
- Oil Resistant PRI
- Halogen-free

Certification/Compliances

- CSA C22.2 #38, Thermoset Insulated Wires & Cables (XLPE)
- - 40°C cold bend/impact rated

1000 V
Voltage

CSA Type RWU90
Power

Colour Coding

- Black conductor (standard)

CSA Type RWU90, Single Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	INSULATION THICKNESS	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
		AWG or kcmil	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
11010M08010BN00	1	8	0.080 2.0	0.305 7.8	75 111	80	132 60	2.7 70
11010M06010BN00	1	6	0.080 2.0	0.342 8.7	109 162	105	210 95	3.1 78
11010M04010BN00	1	4	0.080 2.0	0.389 9.9	163 242	140	334 151	3.5 89
11010M03010BN00	1	3	0.080 2.0	0.416 10.6	200 297	165	421 191	3.7 95
11010M02010BN00	1	2	0.080 2.0	0.447 11.4	246 366	190	531 241	4.0 102
11010M01014BN00	1	1	0.095 2.4	0.516 13.1	312 465	220	670 304	4.6 118
11010M1/014BN00	1	1/0	0.095 2.4	0.556 14.1	386 575	260	845 383	5.0 127
11010M2/014BN00	1	2/0	0.095 2.4	0.599 15.2	477 711	300	1065 483	5.4 137
11010M3/014BN00	1	3/0	0.095 2.4	0.650 16.5	592 882	350	1336 606	5.9 149
11010M4/014BN00	1	4/0	0.095 2.4	0.706 17.9	736 1095	405	1693 768	6.4 161
11010M25016BN00	1	250	0.110 2.8	0.782 19.9	866 1289	455	2000 907	7.0 179
11010M35016BN00	1	350	0.110 2.8	0.885 22.5	1190 1770	570	2800 1270	8.0 202
11010M50016BN00	1	500	0.110 2.8	1.013 25.7	1671 2486	700	4000 1814	9.1 232
11010MA0016BN00	1	1000	0.125 3.2	1.371 34.8	3272 4870	1055	8000 3629	12.3 313

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 1.

VFD CABLES

THE PREFERRED CABLE DESIGN FOR AC DRIVES, REDUCING HARMONIC INTERFERENCE AND ENSURING RELIABLE AND SAFE OPERATION

We understand that reducing the wear and tear and maintenance of motors and mechanical components is important to our customers. Shawflex provides VFD cables in a variety of voltages that increases the efficiency of power transfer from the motor to the drive and protects vital components. Our design provides the combination of a dual copper tape shielded cable, with/ without interlock armour and a three balanced ground system. These features reduce electromagnetic interference (EMI), common mode or ground current, and reflected waves, and makes a reliable and stable connection between the drive and motor reducing motor failures, maintenance, and adverse effects on adjacent equipment.

VFD CABLES.....	102-106
CSA Type RW90 CIC TC Tray VFD, Multi-Conductor, 1000 V	103
CSA Type TECK 90 Armoured VFD, Multi-Conductor, 1000 V	105

CSA Type RW90 CIC TC Tray VFD, Multi-Conductor, 1000 V

Shawflex VFD cables are the preferred power cables for AC Drives. These cables are primarily used between Pulse Width Modulation (PWM) inverters and AC motors. ShawFlex VFD Tray cables are suitable for use in raceways, including ventilated, non-ventilated, indoor/outdoor and ladder-type cable trays in wet/dry locations and are applicable in Industrial and Processing facilities.

Standards:



Product Construction

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/105°C dry

Shielding:

- Helically applied copper tape shield

Jacket:

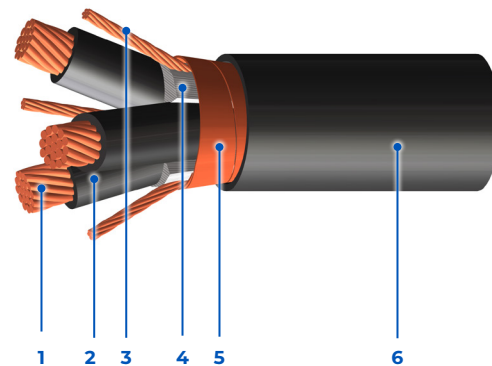
- FR PVC outer black or yellow jacket (standard) rated: 90°C to -40°C

Available in:

- Custom insulation/jacket colours
- LSZH Jacket

Certification/Compliances

- CSA C22.2 No. 230, Tray cables
- CSA C22.2 No. 239, Control and instrumentation cables
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- - 40°C cold bend/impact rated
- Rated for use in hazardous locations:
 - Zone 0 (Class I, Division 1) (Intrinsically Safe circuits only)
 - Zone 2 (Class I, Division 2)
 - Zone 22 (Class II & III, Division 2)



1 – Stranded Bare Copper Conductors (Tin-coated Available)

2 – XLPE (RW90 Rated) Insulated Conductor

3 – Tri-sectional Bonding Conductors

4 – Polypropylene Fillers

5 – Helically Applied Bare Copper Tape Shield

6 – FR PVC Outer Protective Jacket

1000 V

Voltage

Optional: 600, 2000 V

CSA Type CIC RW90 TC

VFD Power

Colour Coding

- 3C – Black, # coded

†Note:

• Type CIC and 105°C insulation temperature dry rating applicable to 20 - 4/0 AWG copper conductor sizes, in 300, 600, and 1000 V. In all other constructions, the insulation temperature dry rating is 90°C.

• Type RW90 applicable to 14 AWG - 2000 kcmil copper conductor sizes, in 600, 1000, and 2000 V.

CSA Type RW90 CIC TC Tray VFD, Multi-Conductor, 1000 V

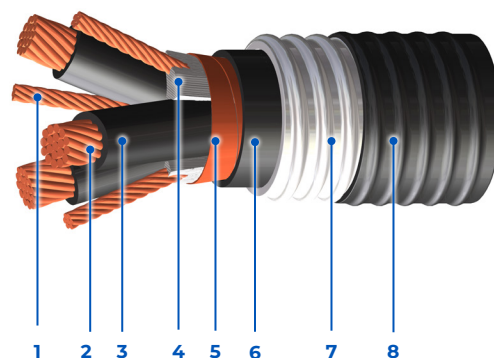
PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	GROUND WIRE SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY*	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
		AWG or kcmil	AWG	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
4D01HM1203000DR	3	12	3 x 18	0.836 21.2	335 499	30	157 71	15.1 382
4D01HM1003000DR	3	10	3 x 16	0.928 23.6	452 676	40	249 113	16.7 424
4D01HM0803000DR	3	8	3 x 14	0.990 25.2	565 841	55	397 180	17.8 453
4D013M0603000DR	3	6	3 x 12	1.135 28.8	843 1255	75	629 285	20.4 519
4D013M0403000DR	3	4	3 x 12	1.276 32.4	1085 1615	95	1002 454	23.0 583
4D013M0203000DR	3	2	3 x 10	1.401 35.6	1434 2134	130	1593 723	25.2 640
4D013M0103400DR	3	1	3 x 10	1.571 39.9	1766 2627	145	2009 911	28.3 718
4D013M1/03400DR	3	1/0	3 x 10	1.673 42.5	2052 3054	170	2534 1150	30.1 765
4D013M2/03400DR	3	2/0	3 x 10	1.766 44.9	2375 3535	195	3194 1449	31.8 807
4D013M3/03400DR	3	3/0	3 x 8	1.941 49.3	2934 4366	225	4027 1827	34.9 887
4D013M4/03400DR	3	4/0	3 x 8	2.062 52.4	3460 5149	260	5078 2304	37.1 943
4D013M2503600DR	3	250	3 x 8	2.264 57.5	4111 6118	290	6000 2722	40.7 1035
4D013M3503600DR	3	350	3 x 6	2.510 63.7	5409 8050	350	8400 3810	45.2 1147
4D013M5003600DR	3	500	3 x 6	2.786 70.8	7070 10522	430	12000 5443	50.1 1274
4D013M7503600DR	3	750	3 x 6	3.185 80.9	9808 14596	535	18000 8165	57.3 1456

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.

CSA Type TECK 90 Armoured VFD, Multi-Conductor, 1000 V

Shawflex VFD cables are the preferred power cables for AC Drives. These cables are primarily used between Pulse Width Modulation (PWM) inverters and AC motors. Shawflex VFD Tray cables are suitable for use in raceways, including ventilated, non-ventilated, indoor/outdoor and ladder-type cable trays in wet/dry locations and are applicable in Industrial and Processing facilities.

Standards:



- | | |
|--|--|
| 1 – Tri-sectional Bonding Conductors | 5 – Helically Applied Bare Copper Tape Shield |
| 2 – Stranded Bare Copper Conductors (Tin-coated Available) | 6 – FR LAG PVC Inner Protective Jacket |
| 3 – XLPE (RW90 Rated) Insulated Conductors | 7 – Aluminum Interlocked Armour (AIA) (standard) |
| 4 – Polypropylene Fillers | 8 – FR LAG PVC Outer Protective Jacket |

Product Construction

Insulation:

- XLPE (RW90 rated)
rated: 90°C wet/105°C dry

Shielding:

- Helically applied copper tape shield

Armour:

- Aluminum Interlocking Armour (AIA) (standard)
- Steel Interlocking Armour (SIA) (optional)

Jacket:

- FR LAG PVC (AG14 rated) inner black jacket
- FR LAG PVC (AG14 rated) outer black or yellow jacket (standard)
rated: 90°C to -40°C

Available in:

- Custom insulation/jacket colours
- LSZH Jacket

Certification/Compliances

- CSA C22.2 No. 131, Type TECK 90 cable
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations
- CSA C22.2 No. 38, Thermoset-insulated wires and cables
- CSA C22.2 No. 2556/UL 2556 FT4, Vertical Tray Flame Test rated
- IEEE 383/1202 (70,000 BTU/hr), Vertical Flame Test rated
- UV sunlight resistant "SUN RES" (all colours)
- Direct burial rated
- - 40°C cold bend/impact rated
- Rated for use in hazardous locations:
 - Zone 0 (Class 1, Division 1) (Intrinsically Safe circuits only)
 - Zone 1 (Class I, Division 1), Zone 2 (Class I, Division 2)
 - Zone 20 & 21 (Class II & III, Division 1), Zone 22 (Class II & III, Division 2)

1000 V

Voltage

Optional: 600, 5000 V

CSA Type TECK 90

VFD Power

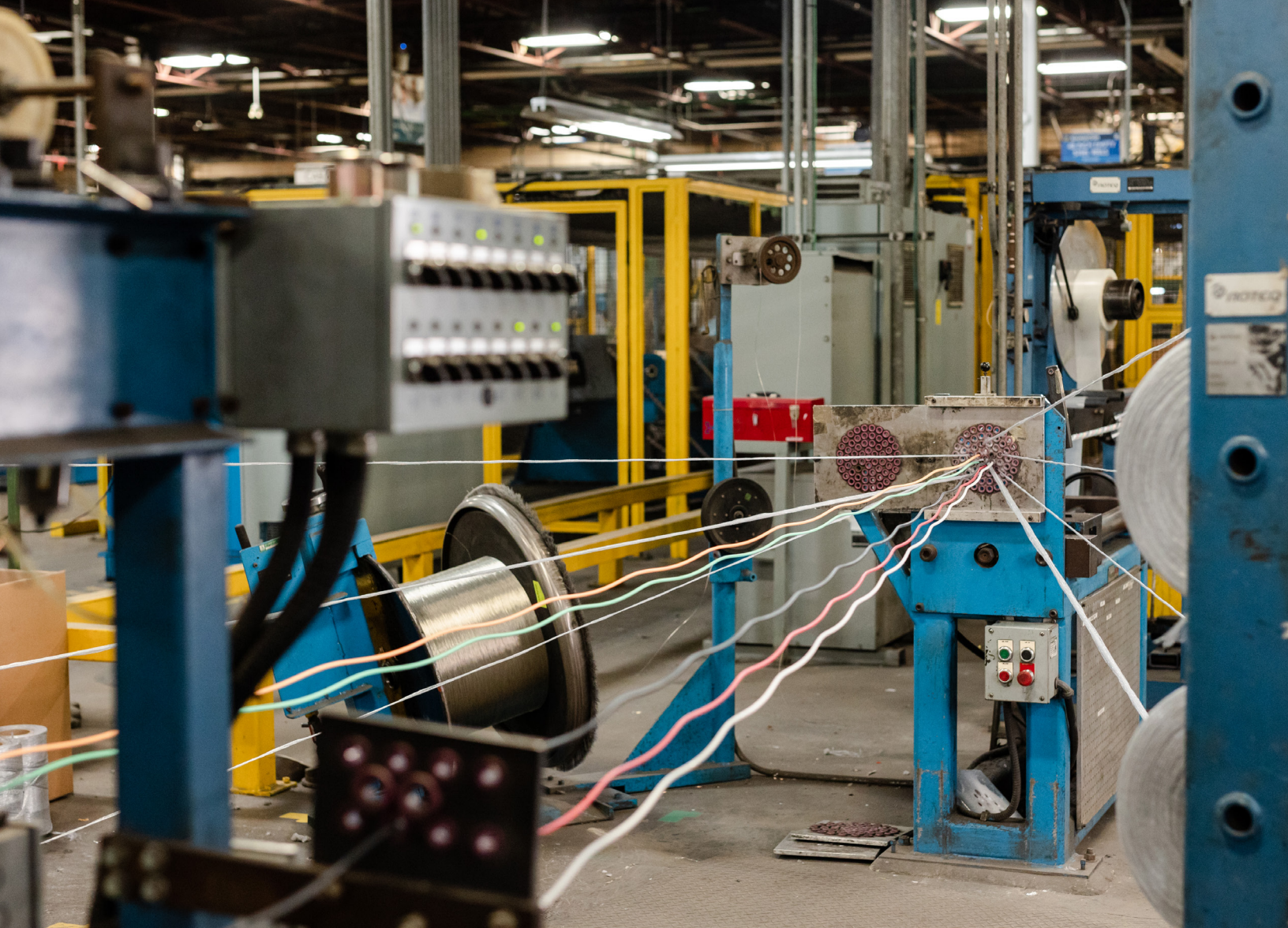
Colour Coding

- 3C – Black, # coded

CSA Type TECK 90 Armoured VFD, Multi-Conductor, 1000 V

PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	BONDING CONDUCTOR SIZE	NOMINAL DIAMETER			CABLE WEIGHT	AMPACITY	MAX. PULLING TENSION (PULLING EYE)	MIN. BEND RADIUS (PULL)
				OVER INNER JACKET	OVER ARMOUR	OVERALL CABLE				
		AWG or kcmil	AWG	in. mm	in. mm	in. mm	lb/1000ft kg/km	30°C ambient	lb kg	in. mm
8021HM1203007DR	3	12	3 x 18	0.503 12.78	0.744 18.9	0.836 21.2	335 499	30	157 71	15.1 382
8021HM1003007DR	3	10	3 x 16	0.595 15.11	0.836 21.2	0.928 23.6	454 676	40	249 113	16.7 424
8021HM0803007DR	3	8	3 x 14	0.657 16.69	0.898 22.8	0.990 25.2	565 841	55	397 180	17.8 453
80213M0603007DR	3	6	3 x 12	0.801 20.35	1.043 26.5	1.135 28.8	843 1255	75	629 285	20.4 519
80213M0403007DR	3	4	3 x 12	0.942 23.94	1.184 30.1	1.276 32.4	1085 1615	95	1002 454	23.0 583
80213M0203007DR	3	2	3 x 10	1.067 27.1	1.309 33.2	1.401 35.6	1434 2134	130	1593 723	25.2 640
80213M0103407DR	3	1	3 x 10	1.237 31.42	1.479 37.6	1.571 39.9	1766 2627	145	2009 911	28.3 718
80213M1/03407DR	3	1/0	3 x 10	1.323 33.6	1.565 39.8	1.673 42.5	2052 3054	170	2534 1150	30.1 765
80213M2/03407DR	3	2/0	3 x 10	1.415 35.95	1.658 42.1	1.766 44.9	2375 3535	195	3194 1449	31.8 807
80213M3/03407DR	3	3/0	3 x 8	1.525 38.74	1.833 46.6	1.941 49.3	2934 4366	225	4027 1827	34.9 887
80213M4/03407DR	3	4/0	3 x 8	1.645 41.79	1.954 49.6	2.062 52.4	3460 5149	260	5078 2304	37.1 943
80213M2503607DR	3	250	3 x 8	1.847 46.92	2.156 54.8	2.264 57.5	4111 6118	290	6000 2722	40.7 1035
80213M3503607DR	3	350	3 x 6	2.069 52.55	2.378 60.4	2.510 63.7	5409 8050	350	8400 3810	45.2 1147
80213M5003607DR	3	500	3 x 6	2.344 59.54	2.348 59.7	2.786 70.8	7070 10522	430	12000 5443	50.1 1274
80213M7503607DR	3	750	3 x 6	2.729 69.31	3.039 77.2	3.185 80.9	9808 14596	535	18000 8165	57.3 1456

*Ampacity value based on Canadian Electrical Code, Part 1 (2024 26th Edition), Table 2. Values are corrected for number of insulated conductors as applicable according to Table 5C.



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