TEXCAN

A Sonepar Company

AUTOMOTIVE & INDUSTRIAL CABLE CATALOGUE

Wire & Cable Specialists

Our Commitment

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

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

Our parent company, Sonepar, is a major global electrical distributor, with divisions in 40 countries, 5 continents, over 45,000 associates and 2,800 branches.

Dedicated to Our Customers

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

Product Expertise and Specialized Services

Texcan has five stocking locations in Western Canada. With over 200 employees, Texcan is able to provide product application expertise, specialized technical assistance and superior sales service to meet our customers' needs.

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

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

Strategic Partnerships

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

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

Over 40 Years of Service

Prysmian Group

PRYSMIAN
Draka
General Cable

Southwire®

BELDEN
SENDING ALL THE RIGHT SIGNALS

northern cables
INCORPORATED

DECA CABLES

CÂBLES PTI CABLES INC.

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Division of Sonepar Canada Inc.

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

All Weather Cabling

Introduction

Texcan offers a wide range of industrial and automotive wire and cable products for our customers in various sectors including trucking OEM (original equipment manufacturers), fleet maintenance, aftermarket automotive retailers, welding and fabricators, industrial distributors and oil field services. We have solutions for semi-tractors and trailers, passenger cars, buses, industrial vehicles, recreational and utility vehicles, and agricultural or industrial equipment and machinery.

Applications

Texcan's industrial products are used in onsite and portable applications such as industrial power generation, remote control, and machinery or equipment. We stock a diverse range of cables including portable cord SOOW, portable cord multiconductors and SDN control cable. The -60°C Ultraflex portable cord and cord sets are built in Canada and specifically designed to withstand our extreme cold weather. The cable is also flexible and fillerless (fully extruded) resulting in superior peformance.

In addition, we provide electrical wire and cable products for the commercial or recreational vehicle and trucking industries. Trailer cables, split looms, primary wires (such as GXL, TXL and SXL), and brake light cables are some of the products we carry. A wide selection of shrink tube is available in single wall or dual wall options for vehicle repair and installations. Many of our products are also used in vehicle electrical systems and truck body manufacturing.

Specifications

- CSA FT1
- CSA FT2
- UL
- SAE J2394 Type F or S for ABS
- SAE J1494
- Meets SAE J1127
- SAE J1128
- Chrysler MS-3450
- Ford ESB-M1L56-A
- RoHS (Restrictions of Hazardous Substances) Compliant
- MIL-DTL-23053/5, Class 1 & 2
- MIL-DTL-23053/4, Class 3

CAUTION NOTICE

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

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

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

Ultraflex Trailer Cable

SPECIFICATION

- SAE J1128

CONSTRUCTION

Conductor: Stranded bare copper conductors

Insulation: Polyvinyl Chloride (PVC)

Outer Jacket: Flame-retardant, moisture and sunlight resistant PVC, black

Temperature: -65°C to 80°C

Voltage: 50V

Option: Other coloured outer jacket and constructions available upon request

COMMERCIAL

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/ MFT)	Package Qty			Colour Code[1]
	No.	AWG Size	Stranding					76m (250ft.)	152m (500ft.)	305m (1,000ft.)	
01121-714AM	1	14	41	0.025	0.032	0.191	80	◆	◆	◆	Black
01121-724AM	2	14	41	0.025	0.050	0.368	140	◆	◆	◆	Black, White
01121-734A5	3	14	41	0.025	0.050	0.368	235	◆	◆	◆	Black, White, Red
01121-744A5	4	14	41	0.025	0.050	0.422	312	◆	◆	◆	Red, Brown, Green, White
04121-764A5*	6	14	41	0.025	0.050	0.496	384	◆	◆	◆	Red, Green, Brown, Black, Yellow, White
04121-774A5**	7	14	41	0.025	0.075	0.546	397	◆	◆	◆	Red, Yellow, Black, White, Brown, Green Blue

COMMERCIAL COMPOSITE

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/ MFT)	Package Qty			Colour Code[1]
	No.	AWG Size	Stranding					76m (250ft.)	152m (500ft.)	305m (1,000ft.)	
04121-75412bmax*	5	14	41	0.020	0.050	0.485	432	◆	◆		Red, Green, Brown, Black, Yellow
	1	12	65	0.020							White
04121-75422a5**	5	14	41	0.025	0.080	0.555	493	◆	◆		Yellow, Black, Brown, Green, Blue
	2	12	65	0.020							Red, White
04122-03-002**	5	12	59	0.020	0.079	0.607	696	◆	◆		Yellow, Black, Brown, Green, Blue
	2	10	94	0.018							Red, White

** 6 Pole Tractor Trailer*
*** 7 Pole Tractor Trailer*

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

1. See page 26 for detailed Trailer Wiring Diagram

Ultraflex Trailer Cable

Commercial ABS

SPECIFICATIONS

Meets SAE J2394
Type F or S for ABS

CONSTRUCTION

Conductor: Stranded bare copper conductors
Insulation: Polyvinyl Chloride (PVC), Non-poly filled
Outer Jacket: Flame-retardant, moisture and sunlight resistant PVC, green
Temperature: -65°C to 60°C
Voltage: 50V
Option: Other coloured outer jacket and constructions available upon request

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/ MFT)	Package Qty			Colour Code[1]
	No.	AWG Size	Stranding					76m (250ft.)	152m (500ft.)	305m (1,000ft.)	
04122-03-050	4	12	65	0.020	0.060	0.626	815	◆	◆		Brown, Green, Yellow, Black
	2	10	104	0.024							Red, Blue
	1	8	168	0.020							White

Ultraflex Trailer Cable

Non–Commercial

SPECIFICATION

- SAE J1128

CONSTRUCTION

Conductor: Stranded bare copper conductors
Insulation: Polyvinyl Chloride (PVC)
Outer Jacket: Flame-retardant, moisture and sunlight resistant PVC, black
Temperature: -65°C to 80°C
Voltage: 50V
Option: Other coloured outer jacket and constructions available upon request

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/ MFT)	Package Qty			Colour Code[1]
	No.	AWG Size	Stranding					76m (250ft.)	152m (500ft.)	305m (1,000ft.)	
01121-744BMAX*	4	14	41	0.025	0.050	0.422	312	◆	◆		Yellow, Brown, Green, White
04121-754HT	5	14	41	0.030	0.045	0.448	264	◆	◆		Brown, White,Yellow, Red, Green
04121-03-002**	4	14	41	0.025	0.056	0.544	704	◆	◆	◆	Red, Yellow, Green, Brown
	1	12	59	0.025							Blue
	2	10	94	0.025							Black, White

** 4 Pole Utility Trailer*
*** 7 Pole RV Trailer*

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

[1] See page 26 for detailed Trailer Wiring Diagram

Equipment Wire
TEW

SPECIFICATIONS

VW-1

UL1015

APPLICATIONS

Electrical and
Electronic Equipment

CONSTRUCTION

Conductor: Stranded bare copper conductors

Insulation: Polyvinyl Chloride (PVC)

Available Colours: Black, white, red, green, yellow, blue, brown, orange, gray, and violet

Temperature: -30°C to 105°C

Voltage: 600V

Option: Custom striping are available upon request
Tinned copper conductors available upon request
Other AWG sizes available upon request

Basic Part Number	Conductor		Approx. Insulation Thickness (in.)	Approx. Diameter (in.)	Volt	Approx Weight (LB/MFT)	Part # Colour Code			
	AWG Size	Stranding								
10002-02	22	7/30	0.030	0.092	600	6	Black	010	Yellow	070
10005-03	20	10/30	0.030	0.100	600	7	White	020	Brown	080
10005-04	18	16/30	0.030	0.109	600	10	Red	030	Grey	090
10005-05	16	26/30	0.030	0.121	600	14	Blue	040	Purple	100
10005-06	14	41/30	0.030	0.136	600	19	Green	050	Pink	120
10005-07	12	65/30	0.030	0.156	600	27	Orange	060	Lt. Blue	140
10005-08	10	104/30	0.030	0.181	600	43				
10005-10	8	165/30	0.030	0.243	600	68				

Add colour code to the basic part number
e.g. 10005-08-010 is a 10AWG black TEW

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

Primary Wire GPT

Lead Free PVC

SPECIFICATIONS

- Meets S.A.E. J1128
- Chrysler MS-3450
- Ford ESB-M1L56-A

APPLICATIONS

- General Purpose Wire
- Surface Vehicle Electrical Systems

CONSTRUCTION

Conductor: Stranded bare copper conductors

Insulation: Lead Free Polyvinyl Chloride (PVC)

Temperature: -40°C to 85°C

Voltage: 30V

Feature: Resistant to oil, flame and abrasion

Options: High temperature wire is available
Tinned copper conductors available
Other solid coloured and stripped outer jacket available upon request

Basic Part Number	Conductor		Approx. Insulation Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)	Part # Colour Code			
	AWG Size	Stranding							
20012-05	18	16/30	0.023	0.092	7	Black	010	Yellow	070
20012-06	16	19/29	0.023	0.103	10	White	020	Brown	080
20012-07	14	19/27	0.023	0.117	16	Red	030	Grey	090
20012-08	12	19/25	0.026	0.142	24	Blue	040	Purple	100
						Green	050	Lt. Blue	140
						Orange	060		

Add colour code to the basic part number
e.g. 20012-08-010 is a 12AWG black GPT

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

Primary Wire
TXL

SPECIFICATIONS

- Meets S.A.E. J1128
- Chrysler MS-8288
- Ford ESB-M1L123-A

APPLICATIONS

- General Purpose Wire
- Surface Vehicle Electrical Systems

CONSTRUCTION

Conductor: Stranded bare copper conductors

Insulation: Cross-linked polyolefin

Temperature: -40°C to 125°C

Voltage: 30V

Feature: Automotive applications where small diameter and minimal weight is desirable
Ideal where higher heat resistance is required

Options: Other coloured outer jacket and constrcutions available upon request
Stripe, print, respool or drum pack to your specifications

Basic Part Number	Conductor		Approx. Insulation Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)	Part # Colour Code			
	AWG Size	Stranding							
10300-03*	22	7/30	0.016	0.062	4	Black	010	Yellow	070
10300-04	20	7/28	0.016	0.070	5	White	020	Brown	080
10300-05**	18	16/30	0.016	0.078	7	Red	030	Grey	090
10300-06	16	19/29	0.016	0.088	9	Blue	040	Purple	100
10300-07	14	19/27	0.016	0.103	14	Green	050	Tan	110
10300-08	12	19/25	0.018	0.128	22	Orange	060	Pink	120
10300-09	10	19/23	0.021	0.156	33			Lt. Blue	140
								Dark Blue	240
								Dark Green	250

Add colour code to the basic part number
e.g. 10300-07-010 is a 14AWG black TXL

** Not available for Chrysler MS-8288*
*** Available with either 16 or 19 bare or tinned copper strands to meet S.A.E. J1128 and Ford ESB-M1L123-A*

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

Primary Wire GXL

SAE J1128

SPECIFICATIONS

- Meets S.A.E. J1128
- Chrysler MS-8900
- Ford ESB-M1L85-B

APPLICATIONS

- General Purpose Wire
- Surface Vehicle Electrical Systems

CONSTRUCTION

Conductor: Stranded bare copper conductors

Insulation: Cross-linked polyolefin

Temperature: -40°C to 125°C

Voltage: 30V

Feature: Smaller diameter and lighter weight than standard duty Type SXL

Options: Other coloured outer jacket and constrcutions available upon request
Stripe, print, respool or drum pack to your specifications

Part Number	Conductor		Approx. Insulation Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)
	AWG Size	Stranding			
10200-03	20	7/28	0.023	0.084	7
10200-04	18	19/30	0.023	0.091	8
10200-06	16	19/29	0.023	0.106	11
10200-14	14	19/27	0.023	0.117	16
10200-08	12	19/25	0.026	0.143	24
10200-09	10	19/23	0.031	0.175	38
10200-10	8	19/21	0.037	0.215	62

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

GXL Part # Colour Codes

Add colour code to the basic part number e.g. 10200-09-010 is a 10AWG black GXL

Solid Colour		Solid Colours w/ Spiral		Solid Colours w/ Spiral	
010	Black	012S	Black w/ White Spiral	047S	Blue w/ Yellow Spiral
020	White	0.13S	Black w/ Red Spiral	052S	Green w/ White Spiral
030	Red	015S	Black w/ Green Spiral	054S	Green w/ Blue Spiral
040	Blue	017S	Black w/ Yellow Spiral	057S	Green w/ Yellow Spiral
050	Green	021S	White w/ Black Spiral	072S	Yellow w/ White Spiral
060	Orange	023S	White w/ Red Spiral	087S	Brown w/ Yellow Spiral
070	Yellow	024S	White w/ Blue Spiral	Two Colours	
080	Brown	025S	White w/ Green Spiral	032	Red & White
090	Grey	026S	White w/ Orange Spiral	054	Green & Blue
100	Purple	027S	White w/ Yellow Spiral	062	Orange & White
110	Tan	028S	White w/ Brown Spiral	082	Brown & White
111	Violet	029S	White w/ Grey Spiral	092	Grey & White
120	Pink	032S	Red w/ White Spiral		
240	Dark Blue	036S	Red w/ Orange Spiral		
250	Dark Green	042S	Blue w/ White Spiral		

Primary Wire SXL

SAE J1128

SPECIFICATIONS

- Meets S.A.E. J1128
- Chrysler MS-5919
- Ford ESB-M1L85

APPLICATIONS

- General Purpose Wire
- Surface Vehicle Electrical Systems

CONSTRUCTION

Conductor: Stranded bare copper conductors

Insulation: Cross-linked polyolefin

Temperature: -40°C to 125°C

Voltage: 30V

Feature: Resistant to heat and abrasion
Thicker insulation allows for protection from mechanical damage

Options: Other coloured outer jacket and constrcutions available upon request
Stripe, print, respool or drum pack to your specifications

Part Number	Conductor		Approx. Insulation Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)	Part # Colour Code			
	AWG Size	Stranding							
10100-04	20	7/28	0.029	0.096	7	Black	010	Yellow	070
10100-05	18	16/30	0.030	0.107	10	White	020	Brown	080
10100-06	16	19/29	0.032	0.120	13	Red	030	Grey	090
10100-07	14	19/27	0.035	0.141	19	Blue	040	Purple	100
10100-08	12	19/25	0.037	0.163	28	Green	050	Tan	110
10100-09	10	19/23	0.041	0.195	41	Orange	060	Pink	120
10100-10	8	19/21	0.043	0.231	65			Lt. Blue	140

Add colour code to the basic part number
e.g. 10100-10-010 is a 8AWG black SXL

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

Battery Cable SGT

SPECIFICATION

Meets S.A.E. J1127

CONSTRUCTION

Conductor: Stranded bare copper conductors
Insulation: Polyvinyl Chloride (PVC)
Temperature: -40°C to 105°C
Voltage: 600V
Features: Flexible and resistant to oil
Option: Standard colours are red and black; other solid coloured outer jacket available upon request

Part Number	Conductor		Approx. Insulation Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)
	AWG Size	Stranding			
06015-12-010	4	133/23	0.065	0.356	162
06015-13-010	2	259/25	0.065	0.420	236
06015-07-010	1/0	1007/30	0.065	0.515	367
06015-06-010	2/0	1292/30	0.065	0.570	473
06015-04-010	4/0	2090/30	0.078	0.706	758

Battery Cable SGR

SPECIFICATION

Meets S.A.E. J1127

CONSTRUCTION

Conductor: Stranded tinned copper conductors
Insulation: Polyvinyl Chloride (PVC)
Temperature: -40°C to 85°C
Voltage: 50V
Features: Flexible and resistant to oil
Option: Standard colours is black; other solid coloured outer jacket available upon request

Part Number	Conductor		Approx. Insulation Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)
	AWG Size	Stranding			
18T-769265	4	7x27x0.142	0.065	0.350	162
18T-769261	1/0	19x26x0.142	0.065	0.510	367

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

Battery Cable SGX

SPECIFICATION

Meets S.A.E. J1127

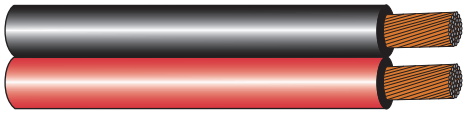
CONSTRUCTION

Conductor: Stranded bare copper conductors
Insulation: Cross-linked polyolefin
Temperature: -40°C to 125°C
Voltage: 600V
Features: Resistant to heat, oil, ozone, acid and other chemicals
Good abrasion and cut-through resistant
Option: Standard colours are red and black; other solid coloured outer jacket available upon request

Part Number	Conductor		Approx. Insulation Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)	Colour
	AWG Size	Stranding				
17035-10	6	133/27	0.060	0.316	111	Black (010) Red (030)
17035-11	4	61/22	0.065	0.360	167	Black (010) Red (030)
17035-13	2	127/23	0.065	0.435	242	Black (010) Red (030)
17035-14	1	133/22	0.065	0.460	304	Black (010) Red (030)
17035-15	1/0	1064/30	0.065	0.531	375	Black (010) Red (030)
17035-16	2/0	1330/30	0.065	0.578	483	Black (010) Red (030)
17035-17	3/0	1672/30	0.078	0.675	616	Black (010) Red (030)
17035-18	4/0	2109/30	0.078	0.732	771	Black (010) Red (030)

Add colour code to the basic part number
e.g. 17035-10-010 is a 6AWG black SGX

Parallel Battery Booster



SPECIFICATION

Meets S.A.E. J1494

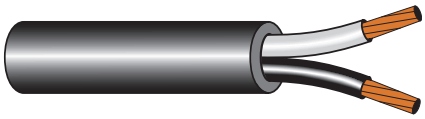
CONSTRUCTION

Conductor: Stranded bare copper, 2 conductor parallel
Insulation: Polyvinyl Chloride (PVC), black & red
Temperature: -40°C to 80°C
Voltage: 50V
Features: Resistant to oil & gas, UV and abrasion
Packaging: 152m (500 ft) roll

Part Number	Conductor		Approx. Insulation Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)
	AWG Size	Stranding			
08040-03-013	6	266	0.047	0.365 x 0.73	230
08040-04-013	4	399	0047	0.40 x 0.815	360

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

Ultraflex Brake Light Cable



APPLICATION

Brake Light

CONSTRUCTION

Conductor: Solid bare copper conductors, flat, black & white

Insulation: Polyvinyl Chloride (PVC)

Outer Jacket: Flame-retardant, moisture and sunlight resistant PVC, black

Temperature: -40°C to 80°C

Voltage: 50V

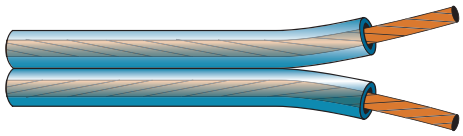
Options: Other coloured outer jacket and inner conductors available upon request
Other constructions available

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/ MFT)	Package Qty			Colour Code
	No.	AWG Size	Stranding					76m (250ft.)	152m (500ft.)	305m (1,000ft.)	
26400-01-000	2	18	16	0.023	0.030	0.153x0.240	29	◆	◆	◆	Black & White
26400-02-000	2	16	24	0.023	0.030	0.154x0.260	38	◆	◆	◆	Black & White
26400-02-053	2	16	24	0.023	0.030	0.154x0.260	38	◆	◆	◆	Green & Red
26400-02-090*	2	16	24	0.023	0.030	0.170x0.276	38	◆	◆	◆	Black & White
26400-03-000	2	14	41	0.023	0.030	0.198x0.322	51	◆	◆	◆	Black & White
26400-03-090*	2	14	41	0.023	0.030	0.198x0.322	51	◆	◆	◆	Black & White
26400-04-041	2	12	65	0.023	0.030	0.219x0.362	72	◆	◆	◆	Black & Blue
26400-04-042	2	12	65	0.023	0.030	0.219x0.362	72	◆	◆	◆	Black & White
26400-05-000	2	10	105	0.023	0.030	0.227x0.388	104	◆	◆	◆	Blue & Black

**Gray Jacket*

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

Ultraflex Speaker Wire



APPLICATIONS

- Audio
- Automotive

CONSTRUCTION

Conductor: Two bare copper conductors

Insulation: Clear Blue Polyvinyl Chloride (PVC), Parallel Construction

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)
	NO.	AWG Size	Stranding			
01052-03-040	2	20	10 x 30	0.020	.078 x .156	10
01052-04-040	2	18	16 x 30	0.025	.109 x .214	21
01052-05-040	2	16	26 x 30	0.025	.124 x .242	25
01052-06-040	2	14	41 x 30	0.025	.129 x .248	19
01052-07-041	2	12	65 x 30	0.030	.166 x .356	31

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

Welding Cable

APPLICATION

Welding

CONSTRUCTION

Conductor: Extra flexible stranded bare copper conductors
Jacket: EPDM (Ethylene Propylene Diene Monomer), black or red
Temperature: -50°C to 105°C
Package Qty: 152m (500ft.) or 76m (250ft.) reels
Voltage: 600V
Feature: Resistant to chemicals, oil, acid, wather, ozone, sunlight and abrasion
Option: Other coloured outer jacket and constructions available upon request

Basic Part Number	Conductor		Approx. Wall Thickness	Approx. Diameter (in.)	Approx Weight (LB/MFT)
	AWG Size	Stranding			
08011-02	6	266/30	0.060	0.320	116
08011-03	4	392/30	0.060	0.375	163
08011-05	2	644/30	0.060	0.440	251
08011-06	1	784/30	0.080	0.515	321
08011-07	1/0	1026/30	0.080	0.550	388
08011-08	2/0	1254/30	0.080	0.590	474
08011-09	3/0	1615/30	0.080	0.660	601
08011-10	4/0	2052/30	0.080	0.725	762

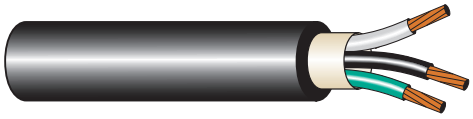
Part # Colour Code			
Black	010	Red	030

Add colour code to the basic part number e.g. 08011-08-010 is a 2/0 black Welding Cable

See page 27 for the Suggested Minimum Copper Welding Cable Size

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

Portable Cord
SJOOW



SPECIFICATIONS

UL CSA FT2

APPLICATIONS

- Portable tools & equipment
- Motor and associated machinery

CONSTRUCTION

Conductor: Stranded bare copper conductors

Insulation: Colour coded flexible rubber (EPDM)

Outer Jacket: CPE, black

Temperature: -40°C to 90°C

Packgage Qty: 76m (250'), 152m (500') and 305m (1000')

Voltage: 300V

Feature: Resistant to weather, water, oil and abrasion

Options: Other coloured outer jacket and constructions available upon request
Other put-ups are available as a special order

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Current Amps[1]	Approx Weight (LB/MFT)	Colour Code Chart[2]
	No.	AWG Size	Stranding						
01002-01-010	2	18	16/30	0.030	0.030	0.285	10	42	1
01002-02-010*	3	18	16/30	0.030	0.030	0.305	10	52	1
01002-03-010*	4	18	16/30	0.030	0.030	0.330	7	63	1
01002-04-010**	2	16	26/30	0.030	0.030	0.310	13	53	1
01002-05-010*	3	16	26/30	0.030	0.030	0.330	13	66	1
01002-06-010*	4	16	26/30	0.030	0.030	0.365	10	83	1
01002-07-010*	2	14	41/30	0.030	0.030	0.340	18	68	1
01002-08-010**	3	14	41/30	0.030	0.030	0.365	18	88	1
01002-09-010*	4	14	41/30	0.030	0.030	0.400	15	110	1
01002-10-010*	3	12	65/30	0.030	0.045	0.430	25	131	1

See page 27 for the Suggested Minimum Copper Welding Cable Size

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

2. See page 28 for corresponding Colour Code Chart

Portable Cord SOOW

SPECIFICATIONS

UL FT2

APPLICATIONS

- Portable tools & equipment
- Motor and associated machinery

CONSTRUCTION

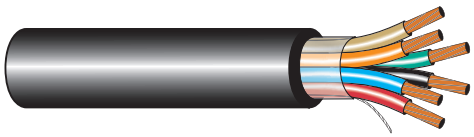
Conductor: Stranded bare copper conductors
Insulation: Colour coded flexible rubber (EPDM)
Outer Jacket: CPE, black
Temperature: -40°C to 90°C
Voltage: 300V
Feature: Resistant to weather, water, oil and abrasion
Options: Other coloured outer jacket and constructions available upon request

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Current Amps[1]	Approx Weight (LB/MFT)	Colour Code Chart [2]
	No.	AWG Size	Stranding						
01010-02-010	2	18	16/30	0.030	0.030	0.285	10	42	1
01010-03-010*	3	18	16/30	0.030	0.030	0.305	10	52	1
01010-04-010*	4	18	16/30	0.030	0.030	0.330	7	63	1
01010-04-010**	2	16	26/30	0.030	0.030	0.310	13	53	1
01010-05-010*	3	16	26/30	0.030	0.030	0.330	13	66	1
01010-06-010*	4	16	26/30	0.030	0.030	0.365	10	83	1
01010-07-010*	2	14	41/30	0.030	0.030	0.340	18	68	1
01010-08-010**	3	14	41/30	0.030	0.030	0.365	18	88	1
01010-09-010*	4	14	41/30	0.030	0.030	0.400	15	110	1
01010-10-010*	2	12	65/30	0.030	0.045	0.430	25	131	1
01010-11-010*	3	12	65/30	0.045	0.095	0.595	25.0	225	1
01010-12-010**	4	12	65/30	0.045	0.095	0.650	20.0	270	1
01010-13-010*	2	10	104/30	0.045	0.095	0.620	30.0	250	1
01010-14-010**	3	10	104/30	0.045	0.095	0.660	30.0	290	1
01010-15-010**	4	10	104/30	0.045	0.095	0.715	25.0	355	1
02010-17-010	3	8	133/29	0.060	0.110	0.855	40.0	485	1
02010-18-010	4	8	133/29	0.060	0.125	0.980	35.0	670	1
02010-20-010	3	6	133/27	0.060	0.125	0.980	55.0	700	1
02010-21-010	4	6	133/27	0.060	0.140	1.080	45.0	875	1
02010-24-010	4	4	133/25	0.060	0.155	1.260	60.0	1150	1
02010-27-010	4	2	133/23	0.060	0.170	1.460	80.0	1690	1
04034-13-010	5	2	133/23	0.060	0.170	1.580	64.0	1960	1

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

See page 28 for corresponding Colour Code Chart

Portable Cord Multiconductor SOOW



SPECIFICATIONS

UL CSA FT2

APPLICATIONS

- Portable tools & equipment
- Motor and associated machinery

CONSTRUCTION

Conductor: Stranded bare copper conductors
Insulation: Colour coded flexible rubber (EPDM)
Outer Jacket: CPE, black
Temperature: -40°C to 90°C
Voltage: 600V
Feature: Resistant to weather, water, oil and abrasion
Option: Other coloured outer jacket and constructions available upon request

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Current Amps[1]	Approx Weight (LB/MFT)	Colour Code Chart[2]
	No.	AWG Size	Stranding						
04001-01-010	5	18	16/30	0.030	0.080	0.470	5.6	127	2
04001-02-010	6	18	16/30	0.030	0.080	0.490	5.6	133	2
04001-03-010	7	18	16/30	0.030	0.080	0.490	4.9	136	2
04001-04-010	8	18	16/30	0.030	0.080	0.520	4.9	154	2
04001-06-010	10	18	16/30	0.030	0.080	0.590	4.9	184	2
04001-08-010	12	18	16/30	0.030	0.080	0.610	4.9	207	2
04001-10-010	14	18	16/30	0.030	0.095	0.660	4.9	251	2
04001-16-010	20	18	16/30	0.030	0.095	0.760	4.9	340	2
04001-20-010	24	18	16/30	0.030	0.095	0.830	4.9	384	2
04002-01-010	5	16	26/30	0.030	0.080	0.490	8.0	149	2
04002-02-010	6	16	26/30	0.030	0.080	0.530	8.0	165	2
04002-03-010	7	16	26/30	0.030	0.080	0.530	7.0	170	2
04002-04-010	8	16	26/30	0.030	0.080	0.560	7.0	193	2
04002-06-010	10	16	26/30	0.030	0.095	0.680	7.0	251	2
04002-08-010	12	16	26/30	0.030	0.095	0.700	7.0	282	2
04002-10-010	14	16	26/30	0.030	0.095	0.730	7.0	316	2
04002-12-010	16	16	26/30	0.030	0.095	0.760	7.0	354	2
04002-16-010	20	16	26/30	0.030	0.095	0.840	7.0	434	2
04002-20-010	24	16	26/30	0.030	0.110	0.950	7.0	520	2
04002-26-010	30	16	26/30	0.030	0.110	1.000	6.0	615	2
04003-01-010	5	14	41/30	0.045	0.095	0.640	12.0	251	2
04003-02-010	6	14	41/30	0.045	0.095	0.690	12.0	277	2
04003-03-010	7	14	41/30	0.045	0.095	0.690	10.5	285	2
04003-04-010	8	14	41/30	0.045	0.095	0.740	10.5	324	2
04003-08-010	12	14	41/30	0.045	0.095	0.890	10.5	441	2
04003-12-010	16	14	41/30	0.045	0.095	0.980	10.5	563	2

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

See page 28 for corresponding Colour Code Chart

Ultraflex -60°C Portable Cord (Bulk) SJTOW

SPECIFICATIONS

UL FT2

RoHS Compliant

APPLICATIONS

- Portable tools & equipment
- Motor and associated machinery

CONSTRUCTION

Conductor: Stranded bare copper conductors

Insulation: PVC, full extrusion (fillerless)

Outer Jacket: PVC, blue with yellow stripe

Temperature: -60°C to 60°C

Voltage: 300V

Option: Other coloured outer jacket and constructions available upon request

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)	Package Qty			Colour Code Chart [2]
	No.	AWG Size	Stranding					76m (250ft.)	152m (500ft.)	305m (1,000ft.)	
01004-08-047	3	14	41	0.03	0.030	0.375	85	◆	◆	◆	1
01004-11-047	3	12	65	0.03	0.030	0.440	117	◆	◆	◆	1

Ultraflex -60°C Portable Cord (Bulk) STOW

SPECIFICATIONS

UL FT2

RoHS Compliant

APPLICATIONS

- Portable tools & equipment
- Motor and associated machinery

CONSTRUCTION

Conductor: Stranded bare copper conductors

Insulation: PVC, full extrusion (fillerless)

Outer Jacket: PVC, blue with yellow stripe

Temperature: -60°C to 60°C

Voltage: 600V

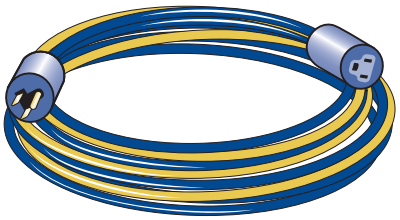
Option: Other coloured outer jacket and constructions available upon request

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)	Package Qty			Colour Code Chart [2]
	No.	AWG Size	Stranding					76m (250ft.)	152m (500ft.)	305m (1,000ft.)	
01031-05-047	3	14	41	0.045	0.080	0.538	335	◆	◆	◆	1
01031-10-047	3	12	65	0.045	0.095	0.609	429	◆	◆	◆	1
01031-15-047	4	10	104	0.045	0.107	0.745	694	◆	◆	◆	1

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

2. See page 28 for corresponding Colour Code Chart

Ultraflex Extension Cord Set
SJTOW (with LED light)



SPECIFICATIONS

UL CSA FT2

RoHS Compliant

APPLICATIONS

- Portable tools & equipment
- Motor and associated machinery

CONSTRUCTION

Conductor: Stranded bare copper conductors

Insulation: PVC, full extrusion (fillerless)

Outer Jacket: PVC, blue with yellow stripe

Temperature: -60°C to 60°C

Voltage: 300V

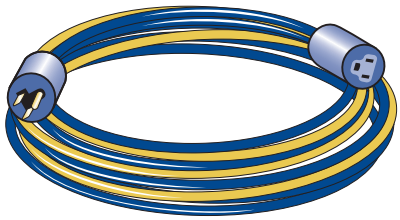
Option: Other coloured outer jacket and constructions available upon request

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)	Lengths (ft)	Colour Code Chart [2]
	No.	AWG Size	Stranding						
Single LED									
01096-00-047	3	14	41	0.030	0.375	0.370	5.0	15	1
01096-01-047	3	14	41	0.030	0.375	0.370	8.3	25	1
01096-02-047	3	14	41	0.030	0.375	0.370	16.5	50	1
01096-03-047	3	14	41	0.030	0.375	0.370	33.0	100	1
01096-17-047	3	12	65	0.030	0.440	0.445	20.0	50	1
01096-18-047	3	12	65	0.030	0.440	0.445	40.0	100	1
Tri-Tap LED									
01096-02-047-3	3	14	41	0.030	0.375	0.370	16.8	50	1
01096-03-047-3	3	14	41	0.030	0.375	0.370	33.3	100	1
01096-17-047-3	3	12	65	0.030	0.440	0.445	20.3	50	1
01096-18-047-3	3	12	65	0.030	0.440	0.445	40.3	100	1
2 Foot Tri-Tab LED									
01096-04-047-3-2FT	3	14	41	0.030	0.375	0.370	0.5	2	1

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

2. See page 28 for corresponding Colour Code Chart

Ultraflex Extension Cord Set
STOW (with LED light)



SPECIFICATIONS

UL CSA FT2

RoHS Compliant

APPLICATIONS

- Portable tools & equipment
- Motor and associated machinery

CONSTRUCTION

Conductor: Stranded bare copper conductors

Insulation: PVC, full extrusion (fillerless)

Outer Jacket: PVC, blue with yellow stripe

Temperature: -60°C to 60°C

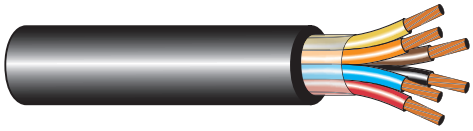
Voltage: 600V

Option: Other coloured outer jacket and constructions available upon request

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)	Lengths (ft)	Colour Code Chart [2]
	No.	AWG Size	Stranding						
Single LED									
01096-22-047	3	12	65	0.045	0.095	0.609	32.0	50	1
01096-23-047	3	12	65	0.045	0.095	0.609	32.0	100	1
Tri-Tap LED									
01096-22-047-3	3	12	65	0.045	0.095	0.609	32.3	50	1
01096-23-047-3	3	12	65	0.045	0.095	0.609	64.3	100	1
2 Foot Tri-Tab LED									
01096-25-047-3-2FT	3	12	65	0.045	0.095	0.609	0.75	2	1

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

SDN (Small Diameter Neoprene) Flexible Control Cable



SPECIFICATIONS

UL CSA FT2

APPLICATIONS

- Control & Power
- Lighting
- Telemetry
- Signal & Traffic Control

CONSTRUCTION

Conductor: Soft bare annealed copper

Insulation: High dielectric flame retardant polymer

Outer Jacket: Heavy duty flame and oil resistant arctic grade neoprene jacket, black

Temperature: 90°C dry and 75°C wet, -55°C

Voltage: 600V

Option: Other coloured outer jacket and constructions available upon request

Part Number	Conductor			Approx. Insulation Thickness (in.)	Approx. Jacket Thickness (in.)	Approx. Diameter (in.)	Approx Weight (LB/MFT)	Colour Code Chart [2]
	No.	AWG Size	Stranding					
12503-05-010	5	18	16	0.015	0.004	0.335	71	3
12503-06-010*	6	18	16	0.015	0.004	0.365	83	3
12503-08-010	8	18	16	0.015	0.004	0.420	109	3
12503-10-010*	10	18	16	0.015	0.004	0.455	126	3
12503-12-010	12	18	16	0.015	0.004	0.470	142	3
12503-16-010	16	18	16	0.015	0.004	0.515	175	3
12503-19-010	19	18	16	0.015	0.006	0.590	240	3
12503-37-010*	37	18	16	0.015	0.006	0.775	386	3
12504-04-010	4	16	19	0.015	0.004	0.335	77	3
12504-05-010*	5	16	19	0.015	0.004	0.360	92	3
12504-06-010	6	16	19	0.015	0.004	0.390	107	3
12504-07-010	7	16	19	0.015	0.004	0.415	123	3
12504-08-010	8	16	19	0.015	0.004	0.450	137	3
12504-10-010	10	16	19	0.015	0.004	0.490	165	3
12504-12-010	12	16	19	0.015	0.004	0.500	188	3
12504-16-010	16	16	19	0.015	0.006	0.590	258	3
12504-19-010*	19	16	19	0.015	0.006	0.630	296	3
12504-24-010	24	16	19	0.015	0.006	0.715	367	3
12504-30-010*	30	16	19	0.015	0.006	0.750	432	3
12505-04-010	4	14	19	0.015	0.004	0.375	104	3
12505-05-010*	5	14	19	0.015	0.004	0.410	127	3
12505-06-010*	6	14	19	0.015	0.004	0.440	147	3
12505-08-010	8	14	19	0.015	0.004	0.510	200	3
12505-10-010	10	14	19	0.015	0.006	0.590	246	3
12505-12-010	12	14	19	0.015	0.006	0.605	290	3
12505-16-010	16	14	19	0.015	0.006	0.665	354	3
12505-24-010	24	14	19	0.015	0.006	0.820	510	3
12505-37-010	37	14	19	0.015	0.008	0.990	785	3

** Non-stock item. Contact your local sales office to place special order*

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

Ultraflex Split Loom Polyethylene

APPLICATION

- Mechanical, chemical and electrical protection

CONSTRUCTION

Material: Durable Polyethylene, black

Construction: Slit allows quick installation without the need of fishing wires

Variation: Non-slit also available to give a better protection from environmental elements

Temperature: -40°C to 93°C

Feature: Resistant to oil and gas, moisture, UV light, salt and abrasion

Option: Packaged in 2'sq boxes or 4'sq gaylords. Cut to length packaging also available
Other colours available upon request

Box Part Number Approx. 30 lbs	Gaylord Part Number Approx. 200 lbs	Size (in.)	Inside Diameter (in.)		Outside Diameter (in.)	
			Min	Max	Min	Max
06-804S-A	06-LCP-250	1/4	.237	.266	.375	.400
06-806S-A	06-LCP-350	3/8	.341	.380	.497	.526
06-808S-A	06-LCP-500	1/2	.473	.516	.664	.700
06-810S-A	06-LCP-625	5/8	.603	.639	.805	.837
06-812S-A	06-LCP-750	3/4	.707	.759	.950	.989
06-814S-A	06-LCP-875	7/8	.848	.898	1.107	1.151
06-816S-A	06-LCP-1000	1	1.006	1.055	1.267	1.320
06-820S-A	06-LCP-1250	1-1/4	1.199	1.257	1.446	1.500
06-824S-1	06-LCP-1500	1-1/2	1.566	1.647	1.867	1.947

Ultraflex Split Loom Nylon

APPLICATION

- Mechanical, chemical and electrical protection where high temperature is required

CONSTRUCTION

Material: Durable Nylon, black with grey stripe

Temperature: -40°C to 149°C

Construction: Slit allows quick installation without the need of fishing wires

Feature: Resistant to oil and gas, moisture, UV light, salt and excellent high temperature and abrasion protection

Option: Packaged in 2'sq boxes or 4'sq gaylords. Cut to length packaging also available
Other colours available upon request
Non-slit also available (allows for better protection from environmental elements)

Box Part Number Approx. 30 lbs	Gaylord Part Number Approx. 200 lbs	Size (in.)	Inside Diameter (in.)		Outside Diameter (in.)	
			Min	Max	Min	Max
06-LCN-250-BOX	06-LCN-250	1/4	.237	.266	.375	.400
06-LCN-350-BOX	06-LCN-350	3/8	.341	.380	.497	.526
06-LCN-500-BOX	06-LCN-500	1/2	.473	.516	.664	.700
06-LCN-625-BOX	06-LCN-625	5/8	.603	.639	.805	.837
06-LCN-750-BOX	06-LCN-750	3/4	.707	.759	.950	.989
06-LCN-875-BOX	06-LCN-875	7/8	.848	.898	1.107	1.151
06-LCN-1000-BOX	06-LCN-1000	1	1.006	1.055	1.267	1.320
06-LCN-1250-BOX	06-LCN-1250	1-1/4	1.199	1.257	1.446	1.500
06-LCN-1500-BOX	06-LCN-1500	1-1/2	1.566	1.647	1.867	1.947

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

Cable Ties

Bar-Lok

SPECIFICATION

UL

APPLICATIONS

- Multi-purpose
- For high impact and tensile strength

CONSTRUCTION

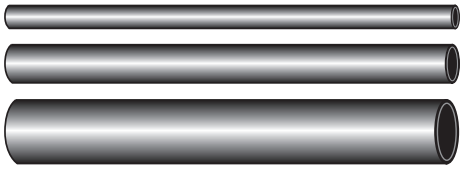
Material: Flame retardant 6/6 nylon

Temperature: -40°C to 80°C

Part Number	Length (in.)	Colour	Features	Bundle Diameter (min & max, in.)	Tensile Strengths (lbs)	Package Qty (per bag)
63-F08432	4	Natural	–	1/16-7/8	18	1000
63-F08433	4	Black	Weather resistant	1/16-7/8	18	1000
63-F08376	5.5	Natural	–	1/16-1-1/4	40	1000
63-F08431	5.5	Black	Weather resistant	1/16-1-1/4	40	1000
63-F08387	7.5	Natural	–	1/16-1-3/4	50	1000
63-F08388	7.5	Black	Weather resistant	1/16-1-3/4	50	1000
63-F08415	7.5	Natural	Screw Mount	1/16-1-3/4	50	1000
63-F08600	11	Natural	–	1/16-3	50	1000
63-F08286	11	Black	Weather resistant	1/16-3	50	1000
63-F10039	14.5	Black	Weather resistant	3/16-4	120	100
63-F10037	15	Black	Weather resistant	1/16-4	50	500
63-F10608	21	Black	Weather resistant	1/4-6	120	50
63-F10614	24	Black	Weather resistant	1/4-7	120	50
63-F10620	28	Black	Weather resistant	1/4-8	120	50
63-F10050	34	Black	Weather resistant	1/4-10	175	50

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

Single Wall Heat Shrink Tube



SPECIFICATIONS

UL

MIL-DTL-23053/5, Class 1 & 2

APPLICATIONS

• Multi-purpose

CONSTRUCTION

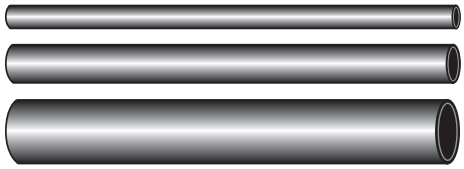
Material: Thin wall crosslinked polyolefin, black
Temp: -55°C to 135°C
Shrink Temp: 120°C
Length: 4 feet
Feature: Resistant to most common fluids and solvents
Option: Other colours are available upon request

Part Number	Sizes (in.)
18-CPX100-1/8-010	1/8
18-CPX100-3/16-010	3/16
18-CPX100-1/4-010	1/4
18-CPX100-3/8-010	3/8
18-CPX100-1/2-010	1/2
8-CPX100-3/4-010	3/4
18-CPX100-1-010	1
18-CPX100-11/2-010	1-1/2
18-CPX100-2-010*	2

**Non-stock item*

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

Dual Wall Heat Shrink Tubing



SPECIFICATION

MIL-DTL-23053/4, Class 3

APPLICATIONS

- Multi-purpose
- Wire harness bundle
- Splices and connectors for cable transitions

CONSTRUCTION

Material: Thin wall adhesive-lined crosslinked polyolefin, black

Temperature: -55°C to 110°C

Shrink Temp: 120°C

Feature: Shrink ratio of 3:1, allowing for coverage of irregularly shaped components
Seals to materials including plastic, rubber, neoprene, steel and polyethylene
Resistant to water, moisture and other contaminants

Length: 4 feet

Option: Other colours are available upon request

Part Number	Sizes (in.)
18-CPA-100-1/8-010	1/8
18-CPA-100-3/16-010	3/16
18-CPA-100-1/4-010	1/4
18-CPA-100-3/8-010	3/8
18-CPA-100-1/2-010	1/2
18-CPA-100-3/4-010	3/4
18-CPA-100-1-010	1
18-CPA-100-11/2-010	1-1/2
18-CFM2050-2-010	2*

** Medium wall heat shrink tubing*

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

Trailer Wiring Diagram

Trailer wiring is available in a variety of sizes and configurations. The most basic design is the colour coded 4-pole system which is found on almost all boat trailers and many smaller utility trailers.

6-pole system provides all the colour-coded functions of the 4-pole systems plus two additional poles for 12-volt feed (red wire) and supply (black wire) to the electric brake systems.

7-pole systems provide all the colour-coded functions of the 5-pole systems and a blue wire for additional 1 pole auxillary systems. Seven wire systems are most commonly found on RV and cargo trailers.

4-POLE UTILITY TRAILER CABLE

	Colour	Function
1	White	System Ground
4	Yellow	Left Turn, Brake Light
6	Green	Right Turn, Hazard Light
7	Brown	Tail and Marker Lights

6-POLE TRACTOR TRAILER CABLE

	Colour	Function
1	White	System Ground
3	Red	12V Power
4	Yellow	Left Turn, Brake Light
5	Black	Brake Power, Tail Lights
6	Green	Right Turn, Hazard Light
7	Brown	Marker Light

7-POLE TRACTOR TRAILER CABLE

	Colour	Function
1	White	System Ground
2	Blue	Auxillary Lights, ABS
3	Red	Brake Light
4	Yellow	Left Turn
5	Black	Brake Power, Tail Lights
6	Green	Right Turn, Hazard Light
7	Brown	Marker Light

7-POLE RV TRAILER CABLE

	Colour	Function
1	White	System Ground
2	Blue	Auxillary Lights
3	Red	12V Power
4	Yellow	Left Turn, Brake Light
5	Black	Brake Power, Tail Lights
6	Green	Right Turn, Hazard Light
7	Brown	Marker Light

Suggested Minimum Copper Welding Cable Size

Welding Current (AMPS)	Cable Size (AWG) for Combined Lengths and Ground Cable				
	50 ft. (164m)	**100 ft.** (328m)	**150 ft.** (492m)	**200 ft.** (656m)	**250 ft.** (820m)
100	4	4	4	2	2
150	4	4	2	1	1/0
200	2	2	1	1/0	2/0
250	2	2	1/0	2/0	3/0
300	1	1	2/0	3/0	4/0
350	1/0	1/0	3/0	4/0	250
400	2/0	2/0	3/0	250	350
500	3/0	4/0	4/0	350	350
600	4/0	4/0	250	350	500

Note: Ampacities are based on 105°C conductor temp., 40°C ambient air / 50% duty cycle and approximate voltage drop of 4V at 25°C conductor temp. or 5VB at 105°C conductor temp

Colour Code Charts

Chart 1[A]	
Conductors	**Colour**
2	Black, White
3	Black, White, Green
4	Black, White, Red, Green
5	Black, White, Red, Orange, Green

A. Cords SJOOW, SOOW, SJTOW, STOW

Chart 2[B]			
Conductors	**Colour**	**Conductors**	**Colour**
1	Black	12	Black/White
2	White	13	Red/White
3	Red	14	Green/White
4	Green	15	Blue/White
5	Orange	16	Black/Red
6	Blue	17	White/Red
7	White/Black	18	Orange/Red
8	Red/Black	19	Blue/Red
9	Green/Black	20	Red/Green
10	Orange/Black	21	Orange/Green
11	Blue/Black		

B .Cords Multi-Conductor SOOW
Note: Colours repeat after 21 conductors

Chart 3[C]					
Conductors	**Colour**	**Conductors**	**Colour**	**Conductors**	**Colour**
1	Black	13	Blue/Red	25	Yellow/Orange
2	Red	14	Orange/Red	26	Brown/Orange
3	Blue	15	Yellow/Red	27	Black/Yellow
4	Orange	16	Brown/Red	28	Red/Yellow
5	Yellow	17	Black/Blue	29	Blue/Yellow
6	Brown	18	Red/Blue	30	Orange/Yellow
7	Red/Black	19	Orange/Blue	31	Brown/Yellow
8	Blue/Black	20	Yellow/Blue	32	Black/Brown
9	Orange/Black	21	Brown/Blue	33	Red/Brown
10	Yellow/Black	22	Black/Orange	34	Blue/Brown
11	Brown/Black	23	Red/Orange	35	Orange/Brown
12	Black/Red	24	Blue/Orange	36	Yellow/Brown

C. SDN (Small Diameter Flexible Control Cable)
Note: This chart follows the ICEA Method 1 using solid colours with stripes

Glossary

AC - Alternating Current
AL - Aluminum
alloy - A substance having metallic properties and being composed of an elemental metal and one or more chemical elements.
ambient - Conditions existing at a test operation location prior to energizing of equipment (example: ambient temperature).
ampacity - The rms current which a device can carry within specified temperature limitations in a specified environment: dependent upon a) temperature rating, b) power loss or c) heat dissipation.
ampere - A standard unit of current.
anneal - To soften and relieve strains in any solid material, such as metal or glass, by heating to just below its melting point and then slowly cooling it. This also generally lowers the tensile strength of the material while improving its flex life.
antioxidant - Retards or prevents degradation of materials exposed to oxygen (air) or peroxides.
AWG - American Wire Gauge. A wire diameter specification. The lower the AWG number, the larger the wire diameter.
AWM - Appliance Wiring Material.

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bare conductor - A conductor having on insulation or jacket.
binder - A tape or thread used for holding assembled cable components in place.
braid - Textile or metallic filaments interwoven to form a tubular structure which may be applied over one of more wires or flattened to form a strap.
bunch strand - Conductors twisted together with the same lay and direction without regard to geometric pattern.
Butyl Rubber - A synthetic rubber used for electrical insulating purposes.

C - Symbol designation for capacitance and centigrade.
cabling - The method by which a group of insulated conductors is mechanically assembled (or twisted together).
capacitance - The ability of a dielectric material between conductors to store electricity when a difference of potential exists between the conductors. The unit of measurement is the farad, which is the capacitance value which will store a charge of one coulomb when a one-volt potential difference exists between the conductors. In as, one farad is the capacitance value which will permit one ampere of current, when the voltage across the capacitor changes at the rate of one volt per second.
cathodic protection - Reduction or prevention of corrosion by making the metal to be protected the cathode in a direct current circuit.
cellular polyethylene - Expanded or "foam" polyethylene, consisting of individual closed cells of inert gas suspended in a polyethylene medium, resulting in a desirable reduction of dielectric constant.
circuit - A system of conducting mediums designed to pass an electric current.
concentric stranding - A group of uninsulated wires twisted together and containing a center core with subsequent layers spirally wrapped around the core to form a single conductor.
conductance - The real part of admittances. It is the reciprocal of resistance and is measured in ohms.
conductivity - The ability of a material to allow electrons to flow, measured by the current per unit of voltage applied. Also, it is the reciprocal of resistivity. It has units of mhos/meter.
conductor - A material suitable for carrying an electric current.
cord - A very flexible insulated cable.
CPE - Dow chemical trademark for chlorinated polyethylene. A jacketing compound.
crosstalk - A type of interferences caused by audio frequencies from one line being coupled into adjacent lines. The term is loosely used also to include coupling at higher frequencies.
CSA (Canadian Standards Association) - Similar to UL in the United States.
CSPE - A Dupont jacketing compound based on chlorosulfonated polyethylene (Hypalon). Sometimes abbreviated CSP.
Current - The rate of transfer of electricity. The unit of current is the ampere, a rate of one coulomb/second

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DC (Direct current) - Electrical current whose electrons flow in one direction only. It may be constant or pulsating as long as their movement is in the same direction.
dielectric - An insulating (non-conducting) medium
dielectric strength - The maximum voltage which an insulation can withstand without breaking down; usually expressed as a gradient in vpm (volts per mil.) Polyethylene for example has a dielectric strength of about 800vpm.
drain wire - An uninsulated wire in contact with a shield throughout its length, used for terminating the shield.

EP, EPR, EPM, EPDM - Designation for synthetic rubber based upon ethylene-propylene hydrocarbon.
EPDM - Ethylene Propylene Diene Monomer.
EPR - Ethylene propylene rubber.
FEP - (Teflon) Dupont trademark for fluorinated ethylene propylene.

G - A UL cable type. Rubber insulated, neoprene, Hypalon or CPE jacketed, portable power cable with two to five #8 AWG or larger conductors with ground wires.
G - GC - A UL cable type. A portable power cable similar to Type G, but a ground check conductor to monitor the continuity of the Grounding Circuit.
GND - Ground.
Ground - A voltage reference point that is the same as earth or chassis ground.

Halar - (ECTFE) Ausimont Co. trademark for ethylene chlorotrifluoroethlene.
hard-drawn wire - as applied to aluminum and copper wire that has been cold drawn to final size so as to approach the maximum strength attainable.
hazardous location - Ignitable vapors, dust or fibers that may cause fire or explosion as defined by the NEC.
HPN - A UL cable type. Two conductor, thermosetting-insulated heater cord. Parallel construction. For use in damp locations.
HS - A heater cord with two to four conductors insulated witth rubber and asbestos, conductor cabled, outer covering is a rubber jacket - sizes 14 and 12 AWG.
HIS - Same as type HS but made in sizes 18 and 16 AWG
HSJO - A heater cord with two to four conductors insulated with rubber and asbestos, conductors cabled, outer covering neoprene jacket - sizes 18 and 16 AWG.
HSO - A UL cable type. Thermoset jacketed heater cord.
HV - High Voltage
Hypalon - (CSP) Dupont trademark for chlorosulphonated polyethylene.

ICEA - Insulated Cable Engineers Association. The association of cable manufacturing engineers who make nationally recognized specifications and test for cables. Formerly IPCEA.
IF - Intermediate-frequency.
impedance - The total opposition a circuit, cable, or component offers to alternating current. It includes both resistance and reactance and is generally expressed in ohms.
inductance - A property of a conductor or circuit which resists a change in current. It causes current changes to lag behind voltage changes and is measured in henrys.
insulation, rating - A maximum temperature assigned to insulation based on laboratory tests.
ISO - International Standards Organization (reference model for open systems interconnection). A standard approach to network design that introduces modularity by dividing the complex set of communications protocols into more manageable, functional slices.

Kapton - Dupont trademark for polyimide.
kV - Kilovolt (1000 volts)
kW - Kilowatt. 1000 watts power.

L - Symbol for inductance.
lay - Pertaining to wire and cable, the axial distance required for one cabled conductor or conductor strand to complete on revolution about the axis around which it is cabled.
LF - Low Frequency. A band of frequencies extending from 30 to 300 KHz in the radio spectrum, designated by the Federal Communications Commission.
LV - Low Voltage.

MCM - Thousand circular mils; e.g. 500MCM is 500,000 circular mils. Preferred notation is kcmil.
MHz - Megahertz (one million cycles per second).
mil - A unit of length equal to one thousandth of an inch.
MIL - Military specification.
MM - Mining machine cable.
MSHA - (Mine Safety and Health Administration). The federal enforcement agency for employee safety in mines and mills. Formerly known as - MESA, Bureau of mines. MsHA regulations appear in CFR Title 30, Chapter 1.
Mylar - DuPont trademark for polyethylene terephtalate (polyester) firm.

NBR - Butadiene-acrylonitrile copolymer rubber, a material with good oil and chemical resistance.
NBR/PVC - A blend of acrylonitrile-butadiene rubber and polyvinyl chloride (PVC). Used for jacketing.
NEC - National Electric Code.
NEMA - National Electrical Manufacturers Associations.
neoprene - A synthetic rubber with good resistance to oil, chemical, and flame. Also called polychloroprene.

nylon - An abrasion-resistant thermoplastic with good chemical resistance. Polyamide.

OD - Outside diameter.
OEM - Original equipment manufacturer.
OFHC - Oxygen-free high conductivity copper.
ohm - The electrical unit of resistance. The value of resistance through which a potential difference of one volt will maintain a current of one ampere.
Ohm's law - Stated E=IR, I=E/I where E is voltage, I is current and R is resistance.
Open circuit - A break in an electrical circuit so that there can be no current flow.
OSHA - (United States Occupational Safety and Health Act). Federal Law #91-596 of 1970 charging all employers engaged in business affecting interstate commerce to be responsible for providing a safe working place. It is administered by the Department of Labour. OSHA regulations are published in Title 29, Chapter XV111, Part 1910 of the CFR and the Federal Register.
ozone - Extremely reactive form of oxygen, normally occurring around electrical discharges and present in the atmosphere in small but active quantities. In sufficient concentrations it can break down certain insulations.

PCP - (Neoprene) Polychloroprene.
plastic - High polymeric substances, including both natural and synthetic products, but excluding the rubbers that are capable of flowing under heat and pressure.
plasticizer - A chemical added to plastics to make them softer and more flexible.
polybutadiene - A type of synthetic rubber often blended with other synthetic rubbers to improve their properties.
polyethylene - A thermoplastic material having excellent electrical properties.
polymer - A substance made of many repeating chemical units or molecules. The term polymer is often used in place of plastic, rubber, or elastomer.
polypropylene - A thermoplastic similar to polyethylene but stiffer and having higher softening point (temperature).
polyurethane - Broad class of polymers noted for good abrasion and solvent resistance. Can be in solid or cellular form.
polyvinylchloride (PVC) - A general purpose thermoplastic used for wire and cable insulations and jackets.
PPE - Polypropylene ethylene.
PTFE - (TFE Teflon) Polytetrafluorethylene.
PVC - Polyvinychloride. A common insulating and jacketing material used on cables.
PVDF - (Kynar) Atochem trademark for polyvinylidene fluoride.

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resistance - In dc circuits, the opposition a material offers to current, measured in ohms. In ac circuits, resistance is the real component of impedance, and may be higher than the value measured at dc.
retractile cord - A cord having specially treated insulation or jacket so that it will retract like a spring. Retractability may be added to all or part of a cord's length.
rope-lay conductor - see concentric stranding.
rubber, ethylene proplene (EPR) - A synthetic rubber insulation having excellent electrical properties.
rubber (wire insulation) - A general term used to describe wire insulations made of thermosetting elastomers such as natural or synthetic rubbers, neoprene, Hypalon, EPR and others.

S - Hard service flexible cord with thermoset insulation and jacket.
SAE - Society of Automotive Engineers.
SDN - Small diameter multi-conductor control cable with neoprene jacket and nylon sheath over polyethylene insulation.
separator - Pertaining to wire and cable, a layer of insulating material such as textile, paper, Mylar, etc, which is placed between a conductor and its dielectric, between a cable jacket and the components it covers, or between various components of a multiple-conductor cable. It can be utilized to improve stripping qualities and/or flexibility, or can offer additional mechanical or electrical protection to the components it separates.
SEW, SEWF - Silicone Rubber insulated equipment wire (C.S.A.)
SH-A - Portable mine power cable, three or four individually shielded conductors, 5kV.
SH-B - Same as SH-A, except shield is overall
SH-C - Same as SH-B, but with grounding conductors
SH-D - Same as SH-A, but with grounding conductors.
shield - A sheer, screen or braid of metal, usually copper, aluminum, or other conducting material placed around or between electric circuits or cables or their components, to contain any unwanted radiation, or to keep out any unwanted interference.
Short - A low resistance path that results in excessive current flow and often in damage.
Shovel Cable - Normally SHD-GDC type for high voltage (2 to 25kV) power supply to mobile equipment.
silicone - A material made from silicon and oxygen. Can be in thermosetting elastomer or liquid form. The thermosetting elastomer form is noted for high heat resistance.
SIS - Switchboard wiring made with cross linked polyethylene insulation.
SJ - Junior hard service, rubber-insulated pendant or portable cord. Same construction as type S, but 300V
SJO - Same as SJ, but oil-resistant outer jacket. 300V, 60C
SJOO - Same as SJO but with oil-resistant insulation as well as an oil-resistant jacket.
SJT - Junior hard service thermoplastic or rubber-insulated conductor with overall thermoplastic jacket 300V.
SJTO - Same as SJT but with oil-resistant thermoplastic outer jacket.
SJTOO - Same as SJTO but with oil-resistant insulation.
SO - Hard service cord, same construction as type S except oil-resistant thermoset jacket, 600V.
SOO - Same as SO but with oil-resistant insulation.
SOOW-A - A UL cable type. Portable cord and control cable. 600V. Same as SOO but UL Listed for outdoor use.
SOW - Water resistant thermoset jacketed portable cord. C.S.A. approved for outdoor use.
SP-1 - All thermoset, parallel-jacketed, two-conductor light duty cord for pendant or portable used in damp locations, 300V
SP-2 - Same as SP-1, but heavier construction, with or without third conductor for grounding purposes, 300V.
SP-3 - Same as SP-2, but heavier construction for refrigerators or room air conditioners, 300V.
ST - Hard service cord, jacketed, same as type S except thermoplastic construction, 600V, 60°C to 105°C.
STO - Same as ST but with oil-resistant thermoplastic outer jacket, 600V, 60°C.
STOO - Same as STO but with oil=resistant insulation.
strand - one of the wires of any stranded conductor.
surge - A temporary and relatively large increase in the voltage or current in an electric circuit or cable. Also called transient.
SV - A UL cable type. Vacuum cleaner cord, two or three conductor, rubber insulate. Overall rubber jacket. For light duty in damp locations, 300V 60°C.
SVO - A UL cable type. Same as SV except oil resistant thermoset jacket, 300V 60°C
SVT - A UL cable type. Same as SV except thermoplastic jacket. With or without third conductor for grounding purposes only. 300V 60°C or 90°C.
SVTO - A UL cable type. Same as SVT except with oil-resistant thermoplastic jacket, 60°C.

T - Thermoplastic vinyl, building wire, 60°C.
tensile strength - the maximum load per unit of original cross-sectional area that a conductor attains when tested in tension to rupture.
TPE - Thermoplastic Elastomer
TPO - same as TP, with extra flexible tinsel conductors, neoprene jacket.

UL - Underwriters' Laboratories, Inc.

V - Volts. The SI unit of electrical potential difference. It is the difference in potential between two points of a conducting wire carrying a constant current of one ampere when the power dissipated between these two points is equal to one watt.
volt - A unit of electrical "pressure." One volt is the amount of pressure that will cause one ampere of current in one ohm of resistance.
voltage drop - The voltage developed across a conductor by the current and the resistance or impedance of the conductor.
vulcanize - To cure by a chemical reaction that induces extensive changes in the physical properties of a rubber or plastic. It is brought about by reacting it with sulphur and/or other suitable agents. The changes in physical properties include decreased plastic flow, reduced surface tackiness, increased elasticity, much greater tensile strength, and considerably less solubility. The process is hastened by heat and pressure. The method of curing thermosetting materials - rubbers, XLP, etc.

W - Symbol for watt or wattage.
W - Heavy duty portable power cable, one to six conductors, 660V, without grounds.
watt - A unit of electrical power. One watt is equivalent to the power represented by one ampere of current under a pressure of one volt in a dc circuit.
welding - joining the ends of two wires, rods, or groups of wires 1) by fusing, using the application of heat or pressure or both, by means of a flame torch, electric arc, or electric current 2) by cold pressure.

Notes

Our Value Added Services

Cable Management Program

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

Specialized Technical Assistance

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

Customized Cable Solutions

- Special constructions built to customer specifications when requested

International Export Services

- Specialized export services, packaging, labeling, freight consolidation, customs advisory services and adherence to Incoterms 1990

Paralleling

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

Lagging

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

Pulling Eyes and Bolts

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

Just-In-Time (JIT)

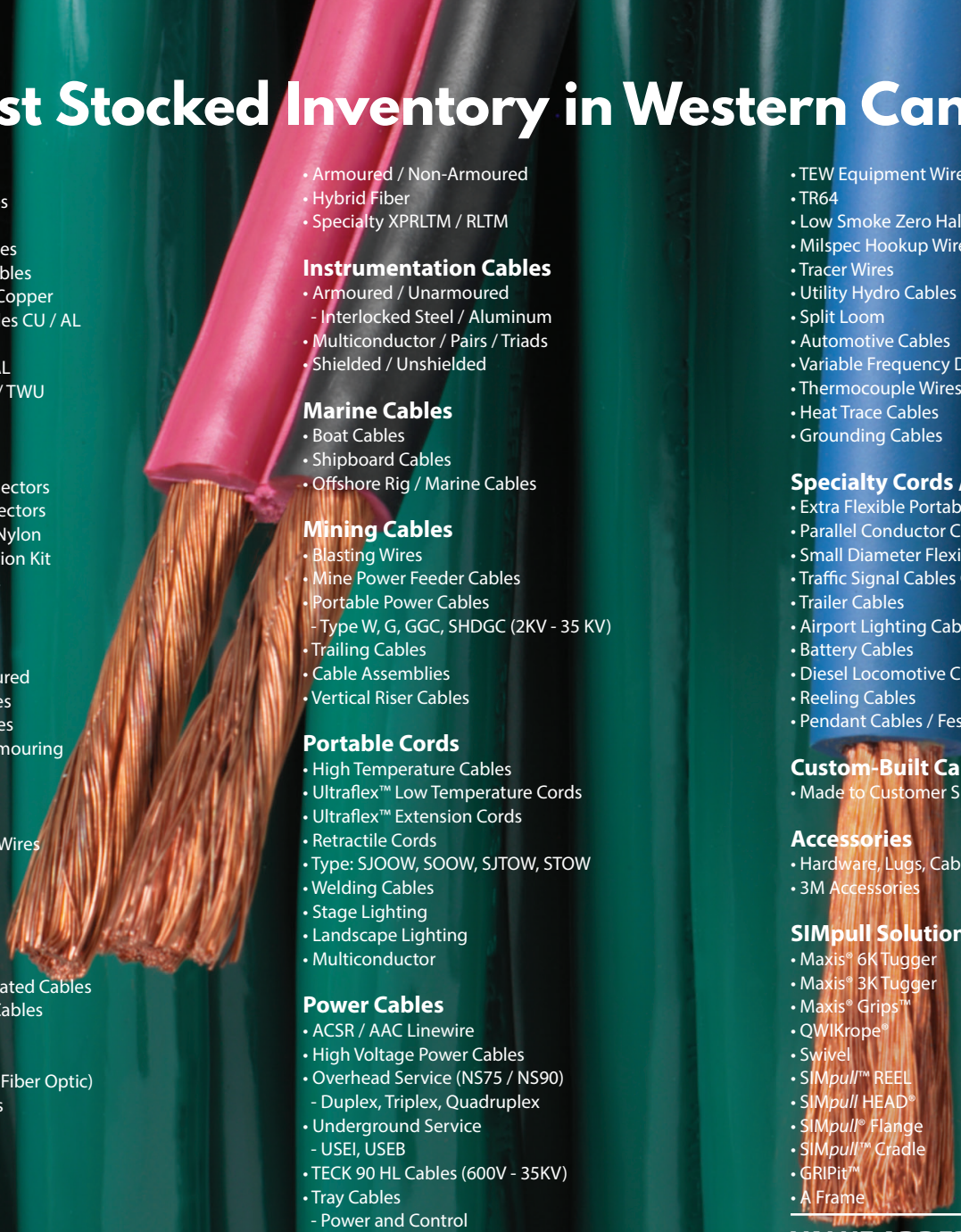
- Just-in-time shipments to job sites across North America through our network of distribution warehouses
- Our stocking, cutting and shipment expertise ensure that your wire and cable requirements are satisfied and project delays eliminated

After Hours, Emergency Service

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

Quality Service is Our Source of Pride

Largest Stocked Inventory in Western Canada



Building Wire
- AC90 Armoured Cables
- Fire Alarm Cables
- ACWU Armoured Cables
- NMD90 / NMWU90 Cables
- Solid / Stranded Bare Copper
- RA90 / Armoured Cables CU / AL
- SIM*pull* Solutions®
- RW90 / RWU 90 CU / AL
- T90 CU / TW75 / TWH / TWU
- LVT

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

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

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

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

Electronic Cables
- Armoured Cables
- Audio / Visual Cables
- Broadcast Cables
- Low Capacitance Wires
- Plenum Wires
- Precision Video Wires
- Industrial Automation Cables
- Belden® Classics & NewGen

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

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

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

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

Portable Cords
- High Temperature Cables
- Ultraflex™ Low Temperature Cords
- Ultraflex™ Extension Cords
- Retractile Cords
- Type: SJOOW, SOOW, SJTOW, STOW
- Welding Cables
- Stage Lighting
- Landscape Lighting
- Multiconductor

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

Specialty Wire / Products
- Coil Lead Wires
- European Cables (CE & VDE approved)
- 2HR Fire Rated
- VITALink® Fire Resistive
- Teflon® Insulated Wires
- SIS Switchboard Wires
- TEW Equipment Wires
- TR64
- Low Smoke Zero Halogen Cables
- Milspec Hookup Wires
- Tracer Wires
- Utility Hydro Cables
- Split Loom
- Automotive Cables
- Variable Frequency Drive (VFD) Cables
- Thermocouple Wires
- Heat Trace Cables
- Grounding Cables

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

Custom-Built Cables
- Made to Customer Specifications

Accessories
- Hardware, Lugs, Cable Ties
- 3M Accessories

SIMpull Solutions®
- Maxis® 6K Tugger
- Maxis® 3K Tugger
- Maxis® Grips™
- QWIKrope®
- Swivel
- SIM*pull*™ REEL
- SIM*pull* HEAD®
- SIM*pull*® Flange
- SIM*pull*™ Cradle
- GRIPit™
- A Frame

VALUE ADDED SERVICES
- Cable Management Program
- Specialized Technical Assistance
- 24/7 Emergency Shipping Service
- International Export Services
- Custom Cables / Printing / Cutting
- Paralleling / Lagging / Tagging
- Bundling / Armouring
- Bar Coding and Inventory Tracking
- State-of-the-Art Distribution Centre

Certified System ™
ISO 9001 Quality

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Fax: 604.528.3790

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11330 189 Street NW
Edmonton, AB T5S 2V6
Tel: 780.944.9331
Fax: 780.486.3182

CALGARY
Call 1.855.717.3900
#105-10710 25th Street NE
Calgary, AB T3N 0A1
Tel: 403.717.3900
Fax: 403.717.3910

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Call 1.855.385.3800
3403 Faithfull Avenue
Saskatoon, SK S7K 8H6
Tel: 306.385.3800
Fax: 306.385.3810

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25 Meridian Drive
Winnipeg, MB R2R 1J4
Tel: 204.982.9290
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