TEXCAN

A Sonepar Company



UNARMOURED MEDIUM VOLTAGE CABLE

CATALOGUE

WHY CHOOSE TEXCAN?

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

LOCAL INVENTORY

WHAT YOU WANT, WHEN YOU NEED IT!

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

LOCAL EXPERTISE WITH A GLOBAL PRESENCE

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

PRODUCT SOURCING

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

prysmian · Southwire · Belden · Nexans · LAPP · northern cables INCORPORATED · CÂBLES PTI CABLES INC.

LIVE 24/7, 365 DAY EMERGENCY SUPPORT

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

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

ENGINEERING SUPPORT

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

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

TABLE OF CONTENTS

		Page No.
Unarmoured Medium Voltage Cable		4
Standard Design Features		5
Concentric Neutral	- Copper Conductor	6
	- Aluminum Conductor	7
Copper Tape		8

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. Acomplete list of our sales offices can be found on the back cover of this catalogue.

Unarmoured Medium Voltage

Introduction

Unarmoured Medium Voltage cables are a key component for the distribution and powering of electricity through a broad range of commercial, industrial, and utility facilities. CSA and the Canadian Electrical code recognize the need for both Concentric Neutral cables as well as Power Shielded cables in today's applications, because both products have their own unique characteristics.

Concentric Neutral cables are available in both aluminum and copper conductor constructions to provide a variety of applications for distribution networks. Power Shielded cables are available in copper and consist of Copper Tape Shield.



Applications

Unarmoured Medium Voltage cables are suitable for use in multiple industry segments. Installations include above ground, in open air, in conduit, direct buried, in underground duct or suspended aerially with a messenger wire. Typical applications include underground and power feeders where voltages of 5kv to 46kv are required.

Whether it's Concentric Neutral cable for electrical distribution or Power Shielded cable for equipment, Texcan stocks a wide variety of Unarmoured Medium Voltage cable solutions.

Specifications

- CSA FT1 & FT4
- CSA C68.5, C68.10, C96.1
- ICEA S-94-649
- ICEA S-93-639/NEMA WC74
- AEIC CS8

*Refer to CE Code for details

CAUTION NOTICE

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

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

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

Unarmoured Medium Voltage Cable

Unarmoured Medium Voltage include Concentric Neutral cables, Copper Tape cables and Airguard cables. Each cable is available in various constructions.

In this catalog, Texan references common types of Unarmoured Medium Voltage cables. The voltages referenced are up to 35kV, however Texcan stocks a range of 5kV to 46kV.

These products are available in a variety of insulations, jackets, voltages, and conductor types. They are suitable for both grounded and ungrounded insulation levels. Texcan also stocks a complete line of accessories to ensure medium voltage terminations are complete.

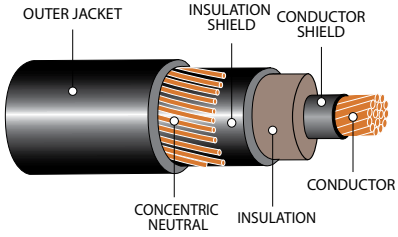


Concentric Neutral Cables– Used in wet or dry locations, for a wide variety of types of installations. The conductors are typically annealed, bare stranded copper or aluminum. The concentric neutral conductor, from which the cable derives its name, is bare or tin-coated copper wire, applied helically over the insulation shield. These wires act as the metallic component of the shield and the neutral, at the same time. Available in both 1/3rd size neutral or full size neutral.

Copper Tape Cables– The basic construction for power cables begins with a conductor of annealed, bare copper which may be compact or compressed. This is followed by an extruded semi-conducting shield applied over the conductor as well as includes an extruded semi-conducting shield over the insulation. Applied over the insulation shield is a copper tape shield. The copper tape's sole purpose is to shield the cable. Power cables carry a low temperature of -40°C and up to a maximum jacket temperature of 105°C.

Concentric Neutral- Copper Conductor

TRXLPE/PVC



SPECIFICATIONS

- CSA Approved
- CSA C68.5
- ANSI/ICEA S-94-649
- AEIC CS8

*Refer to CE Code for details

CONSTRUCTION

Conductor: Bare copper Class B stranded

Insulation: Tree-Retardant Cross-linked Polyethylene (TRXLPE)

Insulation Shield: Extruded semiconducting Thermoset Polymer

Concentric Neutral: Bare copper

Jacket: Polyvinyl Chloride (PVC)** **(see notation below)**

Options: Aluminum constructions available upon request

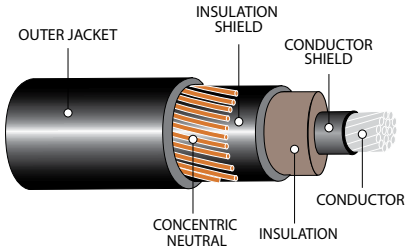
Part Number	Voltage	AWG Size		Concentric Neutral Size	Insulation Level	Insulation Thickness		Concentric Neutral Strand & AWG Size	Approximate Diameter		Net Weight	
		Cond.	Stranding			in.	mm		in.	mm.	LB/ MFT	KG/KM
07237-01-010	15kV	2	7	Full	100%	0.175	4.445	16 x 14	1.070	27.178	710	1057
07237-01-011	15kV	2	7	Full	133%	0.220	5.588	16 x 14	1.170	29.718	815	1213
07237-01-013**	15Kv	2	7	Full	100%	0.165	4.191	16 x 14	0.872	22.14	658	979
07237-13-010	15kV	750	61	1/3	133%	0.220	5.588	16 x 8	2.030	51.562	4005	5959
07437-07-011	15kV	250	37	1/3	100%	0.220	5.580	13 x 12	1.58	40.13	2150	3199
07247-01-013**	25kV	1	19	Full	100%	0.260	6.604	20 x 14	1.190	30.226	928	1381
07247-05-011	25kV	3/0	19	1/3	133%	0.320	8.128	22 x 16	1.447	36.753	1303	1939
07247-06-013	25kV	4/0	19	Full	133%	0.320	8.128	20 x 10	1.601	40.666	1974	2937
07247-06-010**	25kV	4/0	19	Full	100%	0.260	6.604	20 x 10	1.540	39.11	1920	2857
07247-07-011	25kV	250	37	1/3	133%	0.305	7.747	21 x 14	1.652	41.96	1801	2680
07237-03-013	28kV	1/0	19	Full	100%	0.280	7.112	26 x 14	1.340	34.030	1156	1721
07237-04-012**	28kV	2/0	19	Full	100%	0.265	6.7321	20 x 12	1.302	33.07	1302	1973
07237-04-013	28kV	2/0	19*	Full	100%	0.265	6.7321	20 x 12	1.302	33.07	1302	1973
07237-06-013	28kV	4/0	19	Full	100%	0.280	7.112	20 x 10	1.799	40.386	1905	2835
07237-06-014	28kV	4/0	19	1/3	133%	0.311	7.89	18 x 14	1.638	41.60	1646	2449
07237-07-013	28kV	250	36	1/3	100%	0.280	7.112	21 x 14	1.580	40.26	1720	2560
07046-12-011**	28kV	500	37	1/3	100%	0.280	7.112	26 x 12	1.590	45.695	2959	4403
07237-15-011**	28kV	1000	58	1/3	100%	0.265	6.7321	32 x 10	2.144	54.45	5268	7839
07047-03-012**	35kV	1/0	19	1/3	133%	0.420	10.670	14x16	1.540	39.360	1154	178

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

** Refer to CEC for Ampacity.*
***Part Number Represents Linear Low Density Polyethylene Jacket.*

Concentric Neutral- Aluminum Conductor

TRXLPE/LLDPE



SPECIFICATIONS

- CSA Approved
- CSA C68.5
- ANSI/ICEA S-94-649
- AEIC CS8

*Refer to CE Code for details

CONSTRUCTION

Conductor: Compact aluminum Class B stranded

Insulation: Tree-Retardant Cross-linked Polyethylene (TRXLPE)

Insulation Shield: Extruded semiconducting Thermoset Polymer

Concentric Neutral: Bare copper

Jacket: Linear Low Density Polyethylene (LLDPE)

Options: Copper constructions available upon request

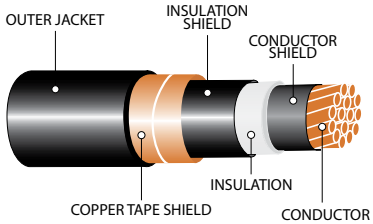
Part Number	Voltage	AWG Size		Concentric Neutral Size	Insulation Level	Insulation Thickness		Concentric Neutral Strand & AWG Size	Approximate Diameter		Net Weight	
		Cond.	Stranding			in.	mm		in.	mm.	LB/ MFT	KG/KM
07345-02-010	15kV	1/0	19	Full	100%	0.175	4.445	16 x14	1.083	27.508	643	957
07346-01-010	25kV	1	1	Full	100%	0.260	6.604	13 x 14	1.159	29.439	645	960
07346-02-010	25kV	1/0	19	Full	100%	0.260	6.604	16 x 14	1.257	31.928	766	1140
07437-07-011	25kV	250	37	1/3	100%	0.220	5.580	13 x 12	1.58	40.13	2150	3199
07346-10-010	25kV	500	36	1/3	100%	0.260	6.604	25 x 14	1.676	42.57	1541	2293
07247-12-010	25kV	500	37	1/3	100%	0.260	6.604	17 x 10	1.92	48.77	2985	4442
07346-12-010	25kV	750	58	1/3	100%	0.260	6.604	25 x 14	1.94	49.27	2180	3244
07257-02-011	28kV	1/0	19	Full	100%	0.280	7.112	16 x 14	1.228	31.191	744	1108
07348-03-010	35kV	1/0	18	Full	100%	0.330	8.382	16 x 14	1.404	35.66	897	1334
07348-06-013	35kV	4/0	19	1/3	133%	0.420	10.668	17 x 16	1.756	44.602	1259	1873
07348-12-013	35kV	500	37	1/3	133%	0.420	10.668	25 x 14	2.094	53.188	2025	3013
07348-15-013	35kV	1000	61	1/3	133%	0.420	10.668	31 x 12	2.462	62.535	3145	4680

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

** Refer to CEC for Ampacity.*

MV-105 Power Cable

EPR/PVC



SPECIFICATIONS

- CSA C68.10
- Power Cable FT4
- CSA C22.2 No 230 Tray Cable Rated TC-ER (1/0 AWG & Larger)

*Refer to CE Code for details

CONSTRUCTION

Conductor: Class B Stranded bare copper

Insulation: Ethylene Propylene Rubber (EPR)

Insulation Shield: Extruded semi-conducting conductor shield and insulation shield

Jacket: Sunlight Resistant Polyvinyl Chloride (PVC)

Options: Aluminum constructions available. 100% insulation level option available upon request. Coloured jackets available upon request.

Part Number	Voltage	AWG Size			Insulation Level	Insulation Thickness		Approximate Diameter		Net Weight	
		Cond.	Stranding	Nominal OD		in.	mm	in.	mm.	LB/ MFT	KG/KM
12707-01-015-MV105	5kV	2	7	0.282	133%	0.115	2.921	0.755	19.177	255	379
12708-01-015-MV105	5kV	1	19	0.322	133%	0.115	2.921	0.800	20.32	311	463
12709-01-015-MV105	5kV	1/0	19	0.361	133%	0.115	2.921	0.870	22.098	639	951
12710-01-015-MV105	5kV	2/0	19	0.405	133%	0.115	2.921	0.914	23.216	745	1109
12712-01-015-MV105	5kV	4/0	19	0.512	133%	0.115	2.921	1.020	25.908	1039	1546
12713-01-015-MV105	5kV	250	37	0.558	133%	0.115	2.921	1.058	26.873	1179	1754
12714-01-015-MV105	5kV	350	37	0.661	133%	0.115	2.921	1.177	29.896	1548	2304
12715-01-015-MV105	5kV	500	37	0.789	133%	0.115	2.921	1.282	32.563	2063	3070
12717-01-015-MV105	5kV	750	61	0.968	133%	0.115	2.921	1.494	37.948	2946	4384
12707-01-0115-MV105	15kV	2	7	0.282	133%	0.22	5.588	0.995	25.237	640	952
12708-01-0115-MV105	15kV	1	19	0.322	133%	0.22	5.588	1.040	26.416	722	1074
12709-01-0115-MV105	15kV	1/0	19	0.361	133%	0.22	5.588	1.080	27.432	816	1214
12710-01-0115-MV105	15kV	2/0	19	0.405	133%	0.22	5.588	1.124	28.550	929	1382
12712-01-0115-MV105	15kV	4/0	19	0.512	133%	0.22	5.588	1.230	31.242	1242	1848
12713-01-0115-MV105	15kV	250	37	0.558	133%	0.22	5.588	1.284	32.614	1398	2080
12715-01-0115-MV105	15kV	500	37	0.789	133%	0.22	5.588	1.515	38.481	2307	3433
12717-01-0115-MV105	15kV	750	37	0.968	133%	0.22	5.588	1.764	44.806	3323	4945
12718-01-0115-MV105	15kV	1000	61	1.117	133%	0.22	5.588	1.913	48.590	4202	6253
12709-01-0125-MV105	25kV	1/0	19	1.039	133%	0.32	8.13	1.279	32.487	974	1449
12711-01-0125-MV105	25kV	3/0	19	1.134	133%	0.32	8.13	1.374	34.900	1241	1846
12713-01-0125-MV105	25kV	250	37	1.244	133%	0.32	8.13	1.484	37.694	1583	2356
12709-01-0135-MV105	35kV	1/0	19	0.361	133%	0.42	10.668	1.480	37.592	1249	1859
12710-01-0135-MV105	35kV	2/0	19	0.405	133%	0.42	10.668	1.524	38.710	1377	2049
12712-01-0135-MV105	35kV	4/0	19	0.512	133%	0.42	10.668	1.630	41.402	1721	2561
12715-01-0135-MV105	35kV	500	37	0.789	133%	0.42	10.668	1.952	49.581	2976	4429
12717-01-0135-MV105	35kV	750	61	0.968	133%	0.42	10.668	2.164	54.966	3972	5911

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

** Refer to CEC for Ampacity.*

INDUSTRIES WE SERVE









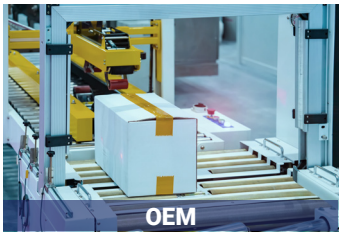
























CABLE MANAGEMENT PROGRAM

CUSTOM TAGGING

We offer custom reel tags with project specific item identifiers and details, easing material management. Options include weather-proof, colour-coded stainless steel, printed RFID, or project specific templates.

SPECIALIZED PACKAGING

We can custom pack orders according to almost any specifications. Whether it's specified reel sizes, bug-free reels, or shrink wrapped pallets, we make sure it's packed right.

LOCAL AND INTERNATIONAL LOGISTICAL EXPERIENCE

Our team ensures your shipping standards, including custom packaging, are monitored, and met while keeping your project schedule in mind.

LAGGING

For long-distance transit, including export, bad weather, and rough terrain, we use wood covers or other suitable durable packaging to protect the reels.

When others can't, TEXCAN

WIRE & CABLE SPECIALISTS SINCE 1978

TEXCAN
A Sonepar Company

WIRE & CABLE LINE CARD

Building Wire

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

Control Cables

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

Communication

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

Data Cables

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

Electronic Cables

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

Fiber Optic Cables

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

Instrumentation

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

Marine Cables

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

Mining Cables

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

Portable Cords

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

Power Cables

- ACSR/AAC Linewire
- High Voltage Power Cable (69-300kv)
- TECK 90 HL Cable (600V-35KV)
- Overhead Service (NS75 / NS90)
  - Duplex, Triplex, Quadruplex
- Underground Service
  - USEI, USEB
- Variable Frequency Drive (VFD) Cable
- Tray Cable (5KV-35KV)
  - Power Cable (NFPA. 130)
- Underground Distribution
- Utility Hydro Cable
- Airguard™ Cable

Specialty Products & Cords

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

Transportation

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

Additional Services & Accessories

Tools & Equipment

- Material Handling & Storage
- Cable Pulling & Fishing

Power Management

- Extension Cords
- Temporary Power Distribution

Lighting

- Area Lights
- String Lights
- Temporary Overhead Lighting

Connectors

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

Accessories

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

Value Added Services

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

Visit our website at Texcan.com and social media @TexcanCanada

VANCOUVER
1-800-665-1025
10449 120th St. Surrey, BC

MAJOR PROJECTS GROUP
1-888-818-9473
10449 120th St. Surrey, BC

EDMONTON
1-800-252-7545
11330 189 St. NW. Edmonton, AB

CALGARY
1-855-717-3900
190-11600 Stonehill Dr. NE Calgary, AB

SASKATOON
1-855-385-3800
3403 Faithfull Ave. Saskatoon, SK

WINNIPEG
1-800-665-2491
25 Meridian Dr. Winnipeg, MB

0326