

COPPERWELD® CABLE: THE SMARTER CHOICE FOR GROUNDING & BONDING

Copperweld® Cable is a bimetallic conductor featuring a steel core with a copper coating. Engineered for strength, durability, and cost-effectiveness, it provides the performance of copper with added mechanical benefits.

COPPERWELD® CABLE FEATURES

- **Durability & Longevity:** Corrosion-resistant and built to last for decades, even in harsh environments.
- **Cost-Effective:** Delivers copper-like performance at a lower cost by reducing the amount of pure copper required.
- **Theft Deterrent:** The steel core makes it less attractive to thieves, reducing the risk of stolen materials.
- **Superior Strength:** Stronger and lighter than pure copper, making installation easier and safer.

KEY APPLICATIONS

- **Utility & Power Grids:** Used for overhead ground wire, grounding rods, and electrical infrastructure.
- **Telecommunications:** Ideal for grounding and bonding due to high conductivity and corrosion resistance.
- **Construction:** Essential for building grounding systems and trenching applications.
- **Renewable Energy:** Used in trench grounding for solar and wind farms.
- **Lightning Protection & Substations:** Critical for grounding transmission towers and substation grids.

PRODUCT OPTIONS



CENTURY

Century is Copperweld's flagship family of grounding conductors and structural cables that have been installed in the harshest environments for over 100 years.

- 2x+ the strength of copper.
- Used in applications where high tensile strength, corrosion resistance and theft deterrence are required.



ArcAngel™

- Grounding conductors capable of carrying more fault current than copper
- Features a maximum strand diameter of No.10 CCS, providing flexibility and bends similar to copper.
- High strand counts add flexibility making the making the conductor easier to handle.
- Available tinned.

ADDITIONAL PRODUCT DETAILS

- Approved by **BC Hydro** and transitioning at **Fortis Alberta** for increased flexibility.
- Outperforms competitors in strength, conductivity, and reliability.
- Available in multiple lengths (300m, 450m, or custom orders).

TEXCAN
Your Canadian Distributor
for Copperweld

Copper
Where
It Counts™



COPPERWELD®
SINCE 1918

Contact a wire and cable specialist today to learn more!

1.800.665.1025 or texcan.sales@texcan.ca

We carry one of the largest inventories of industrial, commercial and residential wires and cables in Canada.









For info about our products and services:

www.texcan.com

When others can't, TEXCAN

WIRE & CABLE SPECIALISTS SINCE 1978

BARE COPPER TO COPPERWELD® CENTURY


500 Kcmil Bare CU	TEXCAN PART NO.	 Century 19 No. 5 ASTM40 COPPER 19 Strands, Annealed	30 Cycles Bare CU	O.D. Bare CU	Breaking Load Bare CU LBS	30 Cycles Copperweld	O.D. Copperweld	Breaking Load Copperweld LBS
	06-Q6C19X5A		97kA	0.813"	15,240	104kA	0.910"	24,441
350 Kcmil Bare CU	TEXCAN PART NO.	 Century 19 No. 7 ASTM40 Copper 19 Strands, Annealed	30 Cycles Bare CU	O.D. Bare CU	Breaking Load Bare CU LBS	30 Cycles Copperweld	O.D. Copperweld	Breaking Load Copperweld LBS
	Q6C 19X7A		68kA	0.680"	10,680	66kA	0.72"	15,381
4/0 Bare CU	TEXCAN PART NO.	 Century 19 No. 9 Grade 40 DSA Copper 19 Strands, Annealed	30 Cycles Bare CU	O.D. Bare CU	Breaking Load Bare CU LBS	30 Cycles Copperweld	O.D. Copperweld	Breaking Load Copperweld LBS
	06-Q6C19X9A		41kA	0.530"	5,983	41kA	0.570"	9,667
2/0 Bare CU	TEXCAN PART NO.	 Century 7 No. 6 Grade 40 DSA Copper 7 Strands, Annealed	30 Cycles Bare CU	O.D. Bare CU	Breaking Load Bare CU LBS	30 Cycles Copperweld	O.D. Copperweld	Breaking Load Copperweld LBS
	06-Q6C7X06A		26kA	0.420"	3,763	31kA	0.49"	7,144
1/0 Bare CU	TEXCAN PART NO.	 Century 7 No. 8 Grade 40 DSA Copper 7 Strands, Annealed	30 Cycles Bare CU	O.D. Bare CU	Breaking Load Bare CU LBS	30 Cycles Copperweld	O.D. Copperweld	Breaking Load Copperweld LBS
	Q6C 7X08A		20kA	0.360"	3,221	19kA	0.38"	4,494
2 Bare CU	TEXCAN PART NO.	 Century 7 No. 10 Grade 40 DSA Copper 7 Strands, Annealed	30 Cycles Bare CU	O.D. Bare CU	Breaking Load Bare CU LBS	30 Cycles Copperweld	O.D. Copperweld	Breaking Load Copperweld LBS
	06-Q6C7X10A		13kA	0.26"	1,928	12kA	0.31"	2,826
4 Bare CU	TEXCAN PART NO.	 Century 7 x 0860 Grade 40 DSA Copper 7 Strands, Annealed	30 Cycles Bare CU	O.D. Bare CU	Breaking Load Bare CU LBS	30 Cycles Copperweld	O.D. Copperweld	Breaking Load Copperweld LBS
	06-Q6C7X0860A		8kA	0.204"	1,200	9kA	0.204"	2,013
6 Bare CU	TEXCAN PART NO.	 Century 7 x 068 Grade 40 DSA Copper 7 Strands, Annealed	30 Cycles Bare CU	O.D. Bare CU	Breaking Load Bare CU LBS	30 Cycles Copperweld	O.D. Copperweld	Breaking Load Copperweld LBS
	06-Q6C7X0680A		5kA	0.184"	763	5kA	0.204"	1,258

AVAILABLE FINISHES


Bare Finish


Copperweld®
standard copper
covered steel wire

Camo Finish


Visual deterrence
against copper
thieves

Hide Jacket


Visual deterrence
against copper
thieves

Contact a wire and cable specialist today to learn more!

1.800.665.1025 or texcan.sales@texcan.ca

Building Wire

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

Control Cables

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

Communication

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

Data Cables

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

Electronic Cables

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

Fiber Optic Cables

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

Instrumentation

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

Marine Cables

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

Mining Cables

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

Portable Cords

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

Power Cables

- ACSR/AAC Linewire
- High Voltage Power Cable (69-300kv)
- TECK 90 HL Cable (600V-35KV)
- Overhead Service (NS75 / NS90)
 - Duplex, Triplex, Quadruplex
- Underground Service
 - 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](https://www.facebook.com/TexcanCanada)

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