TYPE W POWER - Round Portable, EPR/CPE 2kV, 90°C, 4 Conductor

**Designed for use as trailing cables on AC mining equipment:** Where a ground-check conductor is not required for fail-safe ground monitoring and induced voltages do not present a problem.

TYPE G-GC POWER - Round Parallel Portable w/Ground-Check, EPR/CPE 2kV, 90°C, 3 Conductor

**Designed for use as trailing cables on AC mining equipment:** Where ground monitoring is accomplished with a ground-check conductor and induced voltages in the grounding system do not present a hazard.

TYPE SHD-GC POWER - Shielded Round Portable w/Ground-Check, EPR/CPE 2kV, 5kV, 8kV, 90°C, 3 Conductor

**Designed for use as trailing cables on AC mining equipment:** Where a ground-check conductor is required for fail-safe monitoring with Bretby-type cable handling devices on longwall shearsers, and where induced voltages in the grounding system will not produce a hazard and on low- and medium-voltage AC circuits where shielding is desired or required.

TYPE MP-GC - Mine Power Feeder w/Ground-Check, EPR/CPE 15kV, 90°C, 3 Conductor

**Provides high-voltage distribution intended for permanent installations:** Designed for use in underground mining and bore holes and in aerial installations, ducts, or direct burial.

TYPE MP-GC - Mine Power Feeder w/Ground-Check, XLPE/PVC 15kV, 90°C, 3 Conductor

**Provides high-voltage distribution intended for permanent installations:** Designed for use in underground mining and bore holes and in aerial installations, ducts, or direct burial.
# Mining Cable

## Mining Cable Products & Applications

### Type W, G, and G-GC

- Round and Flat

  - Shuttle Cars
  - Roof Bolters
  - Dewatering Pumps
  - Belt Drives
  - Conveyors
  - Feeder/breakers
  - Battery Chargers

### Type SHD-GC

- Longwall Shearers
- Continuous Miners
- Draglines
- Electric Shovels
- Load Center to Equipment

### Type MP-GC

- Power distribution
- Substation to Load Center

## Cable Type and Voltage Ratings

- All cables are EPR/CPE
- Rated at 2kV
- XLP/PVC
- EPR/CPE
- Rated 2kV through 25kV
- Rated 5kV through 25kV
- 2/0-3 8KV and 15KV MP-GC
- 4/0-3 8KV and 15KV MP-GC
- 350/3 8KV and 15KV MP-GC

## Most Commonly Utilized Cables

- 2/4 and 4/4 Round W
- 2/3 and 4/3 G-GC
- 2/0-3 and 4/0-3 G-GC
- 2/3 2kV to 15kV SHD-GC
- 2/0-3 2kV to 15kV SHD-GC
- 4/0-3 2kV to 15kV SHD-GC
- Other sizes are primarily make to order
- Other sizes are primarily make to order

## Mining vs. Industrial Grade

<table>
<thead>
<tr>
<th>Anaconda Mining Grade (Types W, G, G-GC and SHD-GC)</th>
<th>Industrial Grade (Types W, G, and G-GC)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Conductor</strong></td>
<td><strong>Flexible design</strong></td>
</tr>
<tr>
<td>Extra flexible</td>
<td>Flexible design</td>
</tr>
<tr>
<td>Tinned copper</td>
<td>Bare copper</td>
</tr>
<tr>
<td>Design optimized for continuous and severe flexing</td>
<td>Designed for moderate and intermittent flexing</td>
</tr>
<tr>
<td><strong>Insulation</strong></td>
<td><strong>Heavy duty Ethylene Propylene Rubber (EPR)</strong></td>
</tr>
<tr>
<td>Extra heavy duty Ethylene Propylene Rubber (EPR)</td>
<td>Heavy duty Ethylene Propylene Rubber (EPR)</td>
</tr>
<tr>
<td>Designed to work with jacket to achieve Extra heavy duty service listing</td>
<td>Designed to work with jacket to achieve heavy duty service listing</td>
</tr>
<tr>
<td><strong>Jacket</strong></td>
<td><strong>Single layer, non reinforced, CV cured CPE</strong></td>
</tr>
<tr>
<td>Dual layer, reinforced lead cured CPE</td>
<td>Single layer, non reinforced, CV cured CPE</td>
</tr>
<tr>
<td>ICEA extra heavy duty rated</td>
<td>ICEA heavy duty rated</td>
</tr>
<tr>
<td>Extremely cut, tear, and abrasion resistance</td>
<td>Moderate cut, tear, and abrasion resistance</td>
</tr>
<tr>
<td><strong>Cable Ratings</strong></td>
<td><strong>UL and CSA listed</strong></td>
</tr>
<tr>
<td>UL listings not required for mining grade cables</td>
<td>UL and CSA listed</td>
</tr>
<tr>
<td>Types W, G, G-GC available in round and flat designs</td>
<td>Available in Type W, G, and G-GC Round only</td>
</tr>
<tr>
<td>ICEA extra heavy duty</td>
<td>ICEA heavy duty</td>
</tr>
<tr>
<td>CSA certified</td>
<td>MSHA listed (Mine Safety Health Administration)</td>
</tr>
<tr>
<td>MSHA listed (Mine Safety Health Administration)</td>
<td>-400 cold bend</td>
</tr>
<tr>
<td>-50C cold bend</td>
<td>Designed as a general purpose flexible portable power cable</td>
</tr>
<tr>
<td>Designed specifically for extremely harsh mining applications</td>
<td>Designed specifically for extremely harsh mining applications</td>
</tr>
</tbody>
</table>

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### Mining vs. Industrial Grade Application Chart

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>INDUSTRIAL GRADE CABLES</th>
<th>MINING GRADE CABLES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNDERGROUND MINING APPLICATIONS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Longwall Shearers</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Shuttle Cars</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Bridge Conveyors</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>High-Voltage Distribution</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Cutting Machines</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Loading Machines</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Continuous Miners</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Drills</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Roof Bolters</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Locomotives</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Hydraulic Pumps</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Sectionalized Portable Power</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Borehole Cables</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Pumps</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Accessory Equipment</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Two-Conductor Welding</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Belt Drives</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Hydraulic Power Packs</td>
<td></td>
<td>X</td>
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<tr>
<td>Belt Take-Ups</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Battery Changers</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Conveyor Feeder/Breakers</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td><strong>SURFACE MINING APPLICATIONS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drills</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Stripping Shovels</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Loading Shovels</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Drag Lines</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Pumps</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Accessory Equipment</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>
Line Card

Products

Aluminum Cable
Aluminum Conductor Steel Reinforced
Feeder MC
Mobile Home Feeder
Primary URD TR-XLP 15kV/25kV/35kV
Secondary Underground Distribution
Service Entrance - SER/SEU
XHHW Wire
XLP Triplex Service Drop Cable
XLP Triplex/Quadruplex Secondary URD

Armored Cable – 300V - 15kV
Aluminum Interlocked Armor
Continuous Corrugated Weld
Teck 90
Control, Power, and Instrumentation
Medium Voltage
Hazardous/Non-hazardous Location Fittings

Bare Copper
Stranded and Solid
Tinned Available

Belden – Full Line Distributor
Classics
Industrial
Variable Frequency Drive (VFD)
Fiber Optics
MarineTuff®
Industrial Ethernet
New Generation®

Building Wire
TFFN/TFN, THHN/THWN, THW
XLP/USE-2
XHHW-2/XHHW-2 CT
Solid or Stranded
Cathodic Protection
Photovoltaic
All Colors Available

Cable Accessories
Fittings – Tray, Portable Cord, Armor
Medium Voltage Splices & Terminations
LV Splices, Taps, Motor Connection Kits
Compression Connectors & Terminals
200 AMP/600 AMP Elbows & Accessories
Photocontrol & Lighting Accessories

Fiber Optic
Corning® Glass
Plenum and Riser
Tight Buffer and Loose Tube
Multimode and Single Mode
Indoor, Indoor/Outdoor, Outside Plant
Armored Versions Available

Flexible & Portable Cord
Rubber Cord:
SJOW 300V, SJOOW 600V
Plastic Cord:
SJOW/SJOW 300V, SJOOW/SJOOW 600V,
STOW 600V, SJT 300V
Multi-conductor
Various Colors
Type G, GG-C, SHD-GC
Type W
Bus Drop
Diesel Locomotive (DLO)
Welding Cable – Various Colors
Festoon Cable
Submersible Pump Cable
Jumper Cable – 5kV to 15kV
SDN® – Reel & Pendant
Type P – Marine Cable

High-Temp Lead Wire
150°C through 450°C
SF-2, SFF-2 in Colors (UL 150°C-200°C)
TGGT (UL 250°C)
MG (UL 450°C)
SRML, SRG, SRK, SRGT (UL 150°C-200°C)
Teflon – E, EE, K, KK, PFA, Tefzel®
(UL 150°C-200°C)

Hook-Up Wire
PVC (UL 1007/1015/1061)
Irradiated PVC (UL 1429/1430/1431)
Neoprene Lead Wire (UL 3044/3046/3048)
Military Spec (M16878, M22759)
EPDM
SIS – VW-1 – All Colors

IMSA
19-1 and 20-1 Traffic Signal Cable
50-2 Lead-In
51-1, 51-3, 51-5 Loop Detector

Instrumentation – 300V & 600V
PVC, XLP, FREP, CPE, LSZH, and More
Individual and Overall Shields
Tinned and Bare Copper
Pairs and Triads

Medium Voltage – 2.4kV - 35kV
Copper and Aluminum Conductors
Single and Multi-conductor
Airport Lighting – FAA L824C
Splices, Terminations, Elbows

Mining Cable
Type G-GGC
Type MP-GC (Mine Power Feeder)
Type SHD-GC
Type W

Sound, Security, and Alarm
Thermostat
Plenum, CL2P, CMP
Coax – RG59, RG6, RG6 Quad
Fire Alarm FPLR, FPLP Article 725/760/800
Lighting Cable – Crestron & Lutron Systems

Telephone & Data
Indoor/Outdoor
High Speed Data – Category Cables
Direct Burial
Aerial
Figure 8
TelcoFlex®

Tray Cable – 600V
PVC, XLP, FREP, CPE, LSZH, and More
Shielded and Non-shielded
Control and Power Sizes
Standard & Special Color Codes Available
Fittings Available

Variable Frequency Drive (VFD)
3 and 4 Conductor
16 AWG to 500 MCM
Foil Braid, Copper Tape Shields
600V - 2000V
Armored Versions Available

2-Hour Fire Rated Cables
VITALink® MC
Circuit Integrity Cable (CIC)

Services

Bundling
Cable Management Project

Custom Constructions
Dyeing
Emergency Services (24/7/365)

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Lashing
Striping

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