

# Shuttle Car Cable & Mining Machine Cable

MSHA Approved | High-Cycle Flex · Abrasion Resistant | Underground Haulage & Machinery

## PRODUCT OVERVIEW

Mirabel Energy USA shuttle car cable and mining machine cable are engineered for the extreme repetitive flex cycles, abrasion forces, and crushing loads encountered in underground haulage and machinery power applications. Shuttle car cable is specifically designed for the demanding coiling and uncoiling duty of underground coal shuttle cars — where the cable is stored on a reel drum and deployed and retrieved with every loaded and empty trip cycle, accumulating millions of flex cycles over a cable's service life. The conductor geometry, insulation compound, and jacket formulation are optimized to resist the fatigue, notching, and jacket cracking that prematurely ends the service life of standard portable cord in shuttle car applications. Mining machine cable serves stationary and slow-moving mining machinery requiring robust mechanical protection against roof falls, equipment traffic, and abrasive coal and rock surfaces while maintaining flexibility for equipment repositioning. Both cable types are MSHA approved and flame tested per 30 CFR Part 18.

<b>Up to 600V</b> Voltage Rating	<b>High-Cycle Flex</b> Duty Rating	<b>Abrasion Resistant</b> Jacket Grade	<b>MSHA Certified</b> Compliance
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## APPLICATIONS

- Underground coal shuttle car reel drum power cable
- Coal and potash mine haulage unit trailing power cable
- Stationary mining machinery branch circuit and power feed
- Mine feeder-breaker and crusher stationary power connections
- Roof bolter, scoop, and ram car trailing power connections
- Underground conveyor drive and motor power cable runs

## KEY SPECIFICATIONS

- Shuttle car: optimized conductor geometry for reel-drum coil/uncoil cycles
- Ultra-flexible fine-wire stranding — fatigue resistant under millions of flex cycles
- Heavy-duty CPE or CSPE jacket: superior abrasion, cut, and crush resistance
- EPR insulation: maintains flexibility from -40°C to 90°C operating range
- Reinforced jacket with embedded fabric braid option for max abrasion resistance
- MSHA flame resistance test qualified — 30 CFR Part 18 compliant
- Mining machine cable: extra-heavy jacket for stationary/slow-move protection
- Both types: oil, chemical, and moisture resistant construction

## TECHNICAL SPECIFICATIONS

Parameter	Shuttle Car Cable	Mining Machine Cable
Voltage Rating	Up to 600V	Up to 600V
Primary Duty	High-cycle flex/reel	Stationary/slow move
Conductor	Extra fine-wire strand	Fine-wire stranded Cu
Insulation	EPR	EPR
Jacket	CPE (heavy-duty)	CPE/CSPE (extra heavy)
Abrasion Rating	Very high	Highest
Certification	MSHA / UL 62	MSHA / UL 62

<b>CONDUCTOR SIZES &amp; CONFIGS</b> #6 AWG – #2/0 AWG   3/C + ground   Shuttle car and mining machine grades	<b>STOCKING LOCATIONS</b> Reno, NV · Houston, TX Standard & project-phased delivery	<b>OEM REPRESENTATIVE</b> GCP Energy LLC — Salt Lake City, UT portal.gcpenergy.us
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