

# Engineering & Technical Support

Mine safety and maximum cable productivity are AmerCable's top priorities for our customers.

Underground or Open Cut, AmerCable's experienced applications engineers are ready to provide on-site cable evaluation, training and innovative product solutions.

*A few extra minutes spent in training can save hours of costly downtime.*

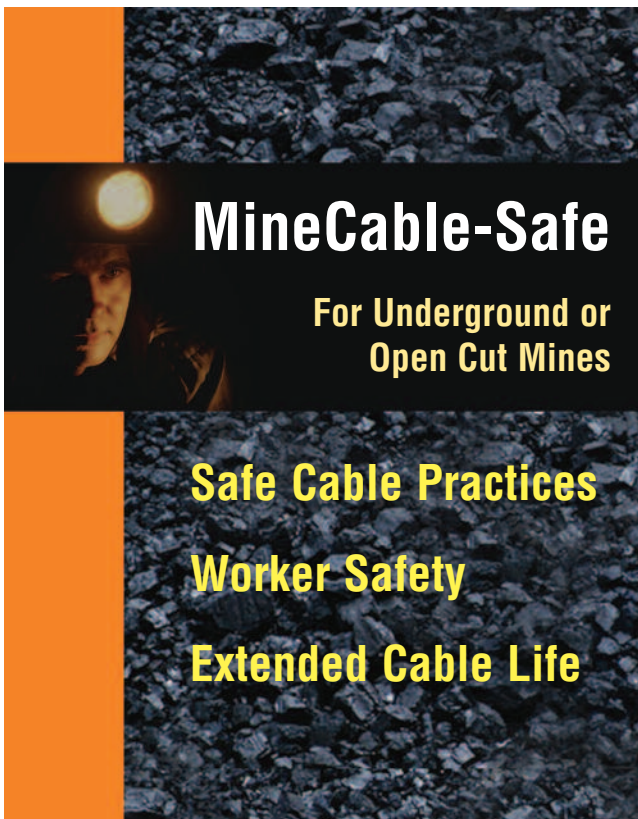
## Cable Handling Best Practices

Sometimes, getting the most life out of your mining cables means learning how to transport and deploy them correctly.

Our applications engineers can conduct on-site training on the best ways to handle and deploy power cables to extend their service life, reduce down time and enhance safety in your mine.

## MineCable-Safe

is an investment in **Safety** and **Productivity** that brings the knowledge and experience of our applications engineers to your mine.



**MineCable-Safe**  
For Underground or Open Cut Mines

**Safe Cable Practices**  
**Worker Safety**  
**Extended Cable Life**



# Safety in Colours



Have you been striped?

AmerCable provides additional colour combinations by vulcanising a contrasting coloured stripe into the sheath of our round CPE cables.

Shown below are a few examples of the many possible sheath / stripe combinations. Consult with your AmerCable applications engineer for a complete list of available stripe options.



Black/Red  
(MSFC only)



Blue/White



Orange/Green



Red/White



Green/White

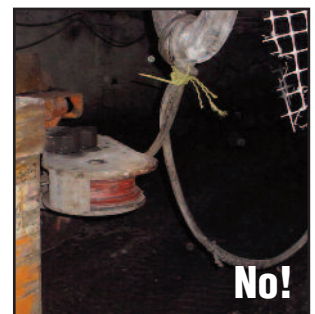
## Shuttle Car Cable Anchors Proper Use

SC Anchor should be 3 metre minimum from passing shuttle car.

- Spreads high tension over more cable
- Reduces shock loading of soft-drawn copper conductors
- Can eliminate extremely tight bend around top of batwing



Cable Anchor Too Close to Feeder Cable



Too Close to Anchor

Available only from AmerCable

Improved Safety through easier circuit identification

Specific colours for specific equipment

Striped Cables Available only on CPE sheathed cables

# Sheaths

## AmerCable CPE Sheaths

AmerCable's thermoset Chlorinated Polyethylene (CPE) sheath provides the physical performance and strength needed to resist wear, tear, abrasion and compression cuts caused by everyday mining use.

This tough, durable sheath is a proven performer in mines throughout the world. AmerCable's engineered cable construction includes a taped-core, integral fill and tandem extrusion of the sheath layers. Two-pass sheaths, extruded in tandem, yield an inseparable bond between the layers. Integral filling of the cable core reduces torsion-induced damage.

AmerCable's CPE colored sheaths have the identical physical properties of our standard black sheath. These high visibility cables can improve mine safety by providing easy circuit identification.



**Black**  
(Standard)

### CPE Only



**Black/White**



**Blue/Green**



**Yellow/Blue**



**Orange/White**



**Red/Blue**



**Black/Green**

### TPU and CPE Colours



**Blue**



**Green**



**Orange**



**Yellow**



**Red**

## AmerCable TPU Sheaths

For extremely abrasive environments, AmerCable's Thermoplastic Polyurethane (TPU) jacket provides the **extra-tough** physical characteristics needed in the roughest mining environments.

Compared to AmerCable's standard CPE jacketing material, TPU provides:

**5X more abrasion resistance**

**2X more tear resistance**

**2X more tensile strength**

**Up to  
8% Less  
Jacket  
Weight**



**Black**  
(Standard)