

# MP-GC Three-Conductor Mine Power Feeder Cable

Mining cable for heavy-duty and flexible power supply routes

MP-GC Three-Conductor Mine Power Feeder Cable is prepared for preliminary product selection and quotation review. This product is used in mining and heavy industry where flexibility, abrasion resistance, mechanical stress and operating environment must be reviewed carefully.



## VOLTAGE

5kV, 8kV, 15kV

## CONDUCTOR

Confirmed by product standard and project requirement

## TYPICAL USE

Mining equipment

## STANDARDS

ICEA S-75-381; NEMA WC 58; CSA C22.2 No.96

## DATA SCOPE

1 technical table(s) included for preliminary selection

## SELECTION NOTE

Confirm voltage, flexibility, sheath material, flame rating and mechanical stress.

## Preliminary Reference Notice

For preliminary selection only. All technical parameters, dimensions and electrical data in this document are typical reference values based on common standard samples. They do not constitute a binding engineering supply commitment. For formal quotation or project submission, Farwalk will review the required voltage grade, installation environment, cable construction, local standards and project specifications, then provide a customized technical proposal and commercial offer.

## Application & Selection Summary

### Typical applications

- Mining equipment
- mobile power supply
- tunneling and heavy-duty industrial routes
- flexible connection for harsh operating environments.

### Selection logic

- Confirm voltage grade, conductor size, flexibility requirement, sheath material, flame performance and mechanical stress condition before quotation.

## Construction Overview

| Item          | Website-ready content                                                                                                                                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product route | Flexible conductor with rubber insulation and heavy-duty sheath. Shielding, pilot core or reinforcement depends on the product type and application. |
| Voltage       | 5kV, 8kV, 15kV                                                                                                                                       |
| Conductor     | Confirmed by product standard and project requirement                                                                                                |
| Standards     | ICEA S-75-381; NEMA WC 58; CSA C22.2 No.96                                                                                                           |
| Confirmation  | Final structure, dimensions and packing should follow selected standard, quotation review and order specification.                                   |

## Readable Data Index

| Data route                                                | Size / rating range | Construction | Diameter / OD | Resistance / weight / rating |
|-----------------------------------------------------------|---------------------|--------------|---------------|------------------------------|
| MP-GC Three-Conductor Mine Power Feeder Cable - Technical | 4 AWG - 500 kcmil   | See table    | See table     | See table                    |

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## MP-GC Three-Conductor Mine Power Feeder Cable - Technical Table 1

Reference table for preliminary selection and quotation review.

| Size (AWG/kcmil) | Voltage Rating | Ground Wire Size | Ground Check Size | Approx. OD (mm) |
|------------------|----------------|------------------|-------------------|-----------------|
| 4 AWG            | 5 kV           | 2 x 8 AWG        | 8 AWG             | 38.5            |
| 2 AWG            | 5 kV           | 2 x 6 AWG        | 8 AWG             | 41.8            |
| 1/0 AWG          | 5 kV           | 2 x 4 AWG        | 8 AWG             | 46.2            |
| 4/0 AWG          | 8 kV           | 2 x 2 AWG        | 8 AWG             | 60.5            |
| 250 kcmil        | 8 kV           | 2 x 2 AWG        | 8 AWG             | 64.2            |
| 2 AWG            | 15 kV          | 2 x 6 AWG        | 8 AWG             | 55.8            |
| 1/0 AWG          | 15 kV          | 2 x 4 AWG        | 8 AWG             | 60.5            |
| 4/0 AWG          | 15 kV          | 2 x 2 AWG        | 8 AWG             | 75.2            |
| 500 kcmil        | 15 kV          | 2 x 1/0 AWG      | 8 AWG             | 92.5            |