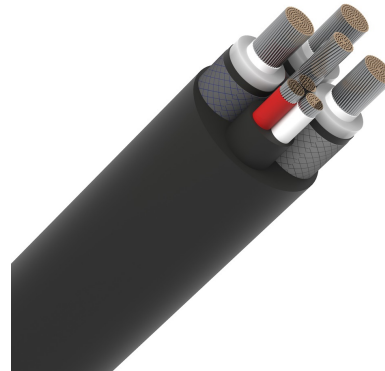


SHD-PCG 2kV/5kV Mining Cable

Mining cable for heavy-duty and flexible power supply routes

SHD-PCG 2kV/5kV Mining 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

2000V, 5kV

CONDUCTOR

Tinned copper conductor route, confirmed by technical table

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	2000V, 5kV
Conductor	Tinned copper conductor route, confirmed by technical table
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
SHD-PCG 2kV/5kV Mining Cable - Technical Table 1	6 AWG - 4/0 AWG	See table	See table	See table

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SHD-PCG 2kV/5kV Mining Cable - Technical Table 1

Reference table for preliminary selection and quotation review.

Size (AWG/kcmil)	Voltage Rating	Ground Wire Size	Control/GC Size	Approx. OD (mm)	Ampacity @ 90°C (A)
6 AWG	2 kV	2 x 10 AWG	1 x 8 AWG	34.5	79
4 AWG	2 kV	2 x 8 AWG	1 x 8 AWG	38.2	104
2 AWG	2 kV	2 x 6 AWG	1 x 6 AWG	43.5	138
1/0 AWG	2 kV	2 x 4 AWG	1 x 4 AWG	48.8	190
4/0 AWG	2 kV	2 x 2 AWG	1 x 2 AWG	61.2	298
6 AWG	5 kV	2 x 10 AWG	1 x 8 AWG	39.5	83
4 AWG	5 kV	2 x 8 AWG	1 x 8 AWG	42.5	108
2 AWG	5 kV	2 x 6 AWG	1 x 6 AWG	48.2	143
1/0 AWG	5 kV	2 x 4 AWG	1 x 4 AWG	54.5	195
4/0 AWG	5 kV	2 x 2 AWG	1 x 2 AWG	66.8	302