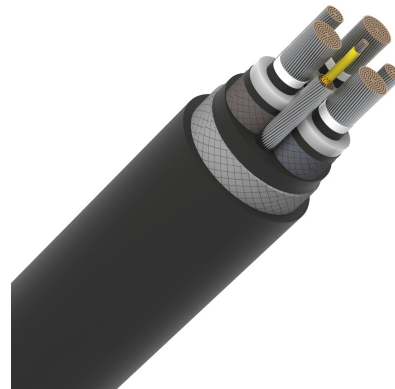


SHD-CGC Mining Cable

Mining cable for heavy-duty and flexible power supply routes

SHD-CGC 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

2kV, 5kV, 8kV, 15kV

CONDUCTOR

Tinned copper conductor route, confirmed by technical table

TYPICAL USE

Mining equipment

STANDARDS

ICEA S-75-381; NEMA WC 58

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	2kV, 5kV, 8kV, 15kV
Conductor	Tinned copper conductor route, confirmed by technical table
Standards	ICEA S-75-381; NEMA WC 58
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
3-Core SHD-CGC - 15000 Volts (Center Ground Check)	2 AWG - 500 kcmil	See table	See table	4250 - 15950

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3-Core SHD-CGC - 15000 Volts (Center Ground Check)

Reference table for preliminary selection and quotation review.

Size (AWG / kcmil)	Approx. OD (mm)	Approx. Weight (kg/km)	Current Rating @ 90°C (Amps)	Ground Check Size (AWG)	Min. Bending Radius (mm)
3-Core SHD-CGC - 15000 Volts (Center Ground Check)					
2 AWG	48.5	4250	135	10 (Center)	395
1/0 AWG	59.2	5850	175	8 (Center)	485
2/0 AWG	63.5	6650	200	8 (Center)	520
4/0 AWG	70.8	8550	260	6 (Center)	580
350 kcmil	81.2	12250	365	4 (Center)	665
500 kcmil	90.5	15950	445	2 (Center)	745