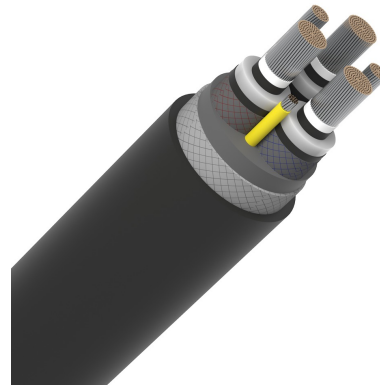


SHD-GC 5kV Mining Cable

Mining cable for heavy-duty and flexible power supply routes

SHD-GC 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

5kV

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.

For quotation review, provide cable type, standard, size, quantity and project destination.

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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
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-GC - 5000 Volts (Individually Shielded)	6 AWG - 500 kcmil	See table	See table	1.35 - 0.07

Data boundary: these tables support website launch, quotation review and preliminary product selection. For project execution, final dimensions, electrical performance, packing and compliance documents should be confirmed against the selected project standard and order specification.

3-Core SHD-GC - 5000 Volts (Individually Shielded)

Reference table for preliminary selection and quotation review.

Size (AWG / kcmil)	Approx. OD (mm)	Approx. Weight (kg/km)	Current Rating @ 90°C (Amps)	Min. Bending Radius (mm)	Max. Cond. Resistance (Ω /km)
3-Core SHD-GC - 5000 Volts (Individually Shielded)					
6 AWG	35.5	1950	87	215	1.35
4 AWG	38.5	2350	114	235	0.85
2 AWG	43.2	3150	152	260	0.54
1 AWG	47.8	3850	174	290	0.43
1/0 AWG	52.5	4650	202	315	0.34
2/0 AWG	56.8	5480	234	345	0.27
4/0 AWG	63.5	7350	315	385	0.17
350 kcmil	75.2	11250	445	455	0.10
500 kcmil	85.5	14850	550	515	0.07