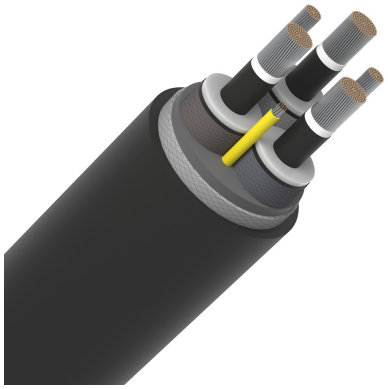
SHD-GC 8kV Mining Cable

Mining cable for heavy-duty and flexible power supply routes

SHD-GC 8kV 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

8kV

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	8kV
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 - 8000 Volts (Individually Shielded)	4 AWG - 500 kcmil	See table	See table	0.85 - 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 - 8000 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 - 8000 Volts (Individually Shielded)					
4 AWG	41.5	2650	95	250	0.85
2 AWG	46.2	3450	130	280	0.54
1 AWG	50.8	4150	155	305	0.43
1/0 AWG	55.5	4950	175	335	0.34
ca2t/i0o AnWGs	59.2	5850	200	355	0.27
4/0 AWG	66.5	7850	260	400	0.17
350 kcmil	78.5	11850	365	475	0.10
500 kcmil	89.2	15650	445	535	0.07