

Single Conductor Type W

Mining cable for heavy-duty and flexible power supply routes

Single Conductor Type W 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

CONDUCTOR

Tinned copper conductor route, confirmed by technical table

TYPICAL USE

Mining equipment

STANDARDS

ICEA S-75-381; NEMA WC 58; UL 1650

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	2000V
Conductor	Tinned copper conductor route, confirmed by technical table
Standards	ICEA S-75-381; NEMA WC 58; UL 1650
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
Single Conductor Type W - 2000 Volts (Portable Power)	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.

Single Conductor Type W - 2000 Volts (Portable Power)

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)
Single Conductor Type W - 2000 Volts (Portable Power)					
4 AWG	18.5	540	140	110	0.85
2 AWG	21.2	735	190	130	0.54
1/0 AWG	25.8	1120	260	155	0.34
2/0 AWG	28.5	1380	300	175	0.27
4/0 AWG	33.2	2050	405	200	0.17
250 kcmil	36.8	2480	455	225	0.14
500 kcmil	46.5	4650	700	280	0.07