

Mineral Insulated Cable

Mineral insulated cable for fire-rated and high-temperature circuits

Mineral Insulated Cable is prepared for preliminary product selection and quotation review. This product is used where mineral insulation and metal sheath construction are specified for circuits requiring fire performance, mechanical protection or high-temperature service.



VOLTAGE

500V, 750V

CONDUCTOR

Copper conductor route with mineral insulation, according to standard

TYPICAL USE

Fire alarm and emergency circuits

STANDARDS

IEC 60702-1/2; BS 6207; BS 6387; GB/T 13033

DATA SCOPE

1 technical table(s) included for preliminary selection

SELECTION NOTE

Confirm special performance, voltage, conductor, standard and installation condition.

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

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Application & Selection Summary

Typical applications

- Fire alarm and emergency circuits
- public buildings
- industrial plants
- high-temperature routes
- critical power or control circuits.

Selection logic

- Confirm voltage, conductor size, sheath material, fire performance requirement, installation route and termination/accessory requirements.

Construction Overview

Item	Website-ready content
Product route	Copper conductor with mineral insulation and metal sheath according to the selected mineral insulated cable standard.
Voltage	500V, 750V
Conductor	Copper conductor route with mineral insulation, according to standard
Standards	IEC 60702-1/2; BS 6207; BS 6387; GB/T 13033
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
Mineral Insulated Cable - Technical Table 1	1 x 16 - 4 x 16	1 Core (Heavy Duty) - 4 Core (Heavy Duty)	See table	380 - 1250

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.

Mineral Insulated Cable - Technical Table 1

Reference table for preliminary selection and quotation review.

Core Configuration	Size (mm ²)	Nominal OD (mm)	Approx. Weight (kg/km)	Current Rating @ 30°C (A)
1 Core (Heavy Duty)	1 x 16	9.5	380	110
1 Core (Heavy Duty)	1 x 25	10.8	520	145
1 Core (Heavy Duty)	1 x 50	13.2	880	225
1 Core (Heavy Duty)	1 x 95	16.8	1550	340
1 Core (Heavy Duty)	1 x 150	19.8	2350	460
2 Core (Heavy Duty)	2 x 1.5	8.2	220	28
3 Core (Heavy Duty)	3 x 2.5	9.5	310	38
4 Core (Heavy Duty)	4 x 4	11.2	450	50
4 Core (Heavy Duty)	4 x 10	14.8	850	85
4 Core (Heavy Duty)	4 x 16	17.2	1250	115