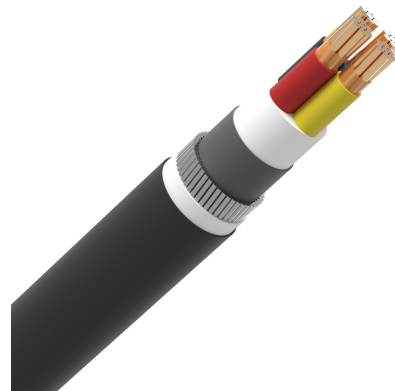


Fire Resistant Cable IEC 60331

Fire resistant cable for emergency and critical circuits

Fire Resistant Cable IEC 60331 is prepared for preliminary product selection and quotation review. This product is used for circuits where fire-resistance performance must be reviewed together with voltage grade, conductor size, sheath material and installation condition.



VOLTAGE

0.6/1kV

CONDUCTOR

Copper conductor route, confirmed by technical table

TYPICAL USE

Emergency circuits

STANDARDS

IEC 60331; IEC 60332-1; IEC 60332-3; IEC 60754-1/2; additional project standards

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

- Emergency circuits
- fire alarm and life-safety systems
- public buildings
- tunnels and transport facilities
- critical power or control routes.

Selection logic

- Confirm fire-resistance standard, voltage, conductor size, insulation/sheath material, flame performance and installation route.

Construction Overview

Item	Website-ready content
Product route	Copper conductor with insulation, fire-resistant layer where required and outer sheath according to the selected fire resistant cable standard.
Voltage	0.6/1kV
Conductor	Copper conductor route, confirmed by technical table
Standards	IEC 60331; IEC 60332-1; IEC 60332-3; IEC 60754-1/2; IEC 61034-1/2
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
Fire Resistant Cable IEC 60331 - Technical Table 1	4 x 1.5 - 4 x 50	See table	See table	12.1 - 0.387

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.

Fire Resistant Cable IEC 60331 - Technical Table 1

Reference table for preliminary selection and quotation review.

Size (mm²)	Approx. OD (mm)	Approx. Weight (kg/km)	Current Rating @ 30°C (A)	Max. Resistance (Ω/km)
4 x 1.5	13.5	230	23	12.1
4 x 2.5	14.8	295	31	7.41
4 x 4	16.2	380	42	4.61
4 x 6	17.5	485	54	3.08
4 x 10	19.8	720	75	1.83
4 x 16	22.5	1050	100	1.15
4 x 25	26.5	1580	135	0.727
4 x 35	29.8	2050	165	0.524
4 x 50	34.5	2850	205	0.387