

Flame Retardant Cable

Flame retardant cable for project fire-performance requirements

Flame Retardant Cable is prepared for preliminary product selection and quotation review. This product is used where flame spread performance must be reviewed together with normal electrical parameters and installation conditions.



VOLTAGE

0.6/1kV

CONDUCTOR

Copper conductor route,
confirmed by technical table

TYPICAL USE

Industrial systems

STANDARDS

IEC 60332-1; IEC 60332-3;
IEC 60754-1/2; IEC
61034-1/2

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

- Industrial systems
- building electrical routes
- public infrastructure
- control and power circuits requiring flame-retardant cable selection.

Selection logic

- Confirm flame-retardant standard, voltage, conductor size, insulation/sheath material and installation route before quotation.

Construction Overview

Item	Website-ready content
Product route	Conductor with insulation and flame-retardant sheath or compound according to the selected product standard.
Voltage	0.6/1kV
Conductor	Copper conductor route, confirmed by technical table
Standards	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
Flame Retardant Cable - 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.

Flame Retardant Cable - 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	11.2	190	23	12.1
4 x 2.5	12.5	245	31	7.41
4 x 4	13.8	330	42	4.61
4 x 6	15.2	420	54	3.08
4 x 10	17.5	640	75	1.83
4 x 16	19.8	910	100	1.15
4 x 25	24.2	1420	135	0.727
4 x 35	27.5	1850	165	0.524
4 x 50	31.5	2450	205	0.387