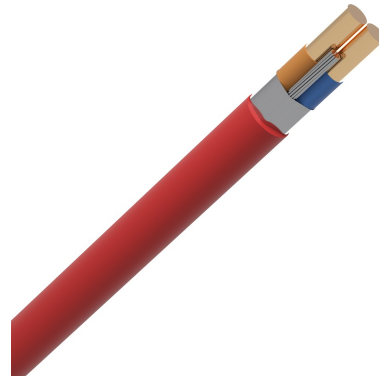


# Fire Resistant Cable BS 6387

Fire resistant cable for emergency and critical circuits

Fire Resistant Cable BS 6387 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

BS 6387; 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     | BS 6387; 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 BS 6387 - 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 BS 6387 - 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                  |