

## FT120 SAFFIRE

Fire Resistant Cable. BS 7629-1. 300/500 V



Draka Firetuf® FT120 Saffire is the **'Enhanced'**, hard skin, dressable fire resistant cable most commonly needed for fire alarm and emergency lighting circuits

### KEY APPLICATIONS

- Fire detection and fire alarm systems for buildings.
- Voice alarm systems and emergency voice communication.
- Emergency and escape lighting.
- Control circuits for fire safety and fire fighting systems.
- Other essential service control circuits for **"Enhanced"** fire resistance.

### FEATURES AND BENEFITS

- Fully screened
- Full size CPC in direct contact with screen
- Zero Halogen, Low Smoke (OHLS®) sheath
- Easy termination
- BS 8519 "Control" - Category 2, Code of Practice Life Safety and Firefighting
- BS 5839-1 **"Enhanced"**, Code of Practice Fire Alarms
- BS 5266-1 **"Enhanced"**, Code of Practice Emergency Lighting
- Manufactured under ISO 9001 Quality management systems

### STANDARDS



**BS 7629-1 - Enhanced 120**

**BS EN 50200 - PH30**

**BS EN 50200 - PH60**

**BS EN 50200 - PH120**

**BS 8434-2**

**BS 6387 Category CWZ**

**BS EN 60332-1-2**

**BS EN 61034-2**

**BS EN 60754-1**

Construction Standard

Fire Resistant Test - Flame & Shock - 30 Minutes

Fire Resistant Test - Flame & Shock - 60 Minutes

Fire Resistant Test - Flame & Shock - 120 Minutes

Fire Resistant Test - Flame, Shock & Water - 120 Minutes

Fire Resistant Tests

Flame Propagation - Single Cable

Smoke emission

Corrosive and acid gas

## CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Crosslinked polymer
Screen construction	Metallised foil
Screen	Yes
Screen material	Aluminium
Material outer sheath	Low smoke zero halogen
Cable shape	Round

## APPLICATIONS PROPERTIES

Nominal voltage U <sub>0</sub> [V]	300
Nominal voltage U [V]	500
Flame retardant	In accordance with BS EN 60332-1-2
Halogen free	Yes
Low smoke	Yes
Max. conductor temperature [°C]	70
Min. Operation temperature [°C]	-25
UV resistant	Yes
Outdoor installation	Yes
Min. Installation temperature [°C]	0
Max. Installation temperature [°C]	60
Bending radius (rule)	6D

## COLOURS

Insulation: Two Cores: Brown, Blue;  
Sheath: Red or White

## CURRENT RATINGS

Refer to table 4D2 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

**TECHNICAL DATA**

<b>Number of cores</b>	<b>Nominal cross section conductor [mm<sup>2</sup>]</b>	<b>Conductor category</b>	<b>Nominal cross section of protective conductor [mm<sup>2</sup>]</b>	<b>Nominal outer diameter [mm]</b>	<b>Cable weight [kg/km]</b>	<b>Conductor resistance at 20° C [Ohm/km]</b>
2	1.5	Class 1 = solid	1.5	9.2	115	12.1
2	2.5	Class 1 = solid	2.5	11.5	175	7.41