

FT120 SAFFIRE

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



Draka Firetuf® FTI20 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 - 30 minutes BS EN 50200 - 60 minutes BS EN 50200 - 120 minutes 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 Conductor surface Core insulation material Screen construction Screen Screen material Material outer sheath Cable shape

Copper Bare Crosslinked polymer Metallised foil Yes Aluminium Low smoke zero halogen Round

APPLICATIONS PROPERTIES

Nominal voltage U0 [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

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TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm²]	Conductor category	Nominal cross section of protective conductor [mm ²]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
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