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## FT120

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





Draka Firetuf® FT120 is the 'Enhanced' fire resistant solution for fire alarm cable, as well as fire detection, emergency voice communication 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
- Silicone insulation
- Zero Halogen, Low Smoke (OHLS®) sheath
- Easy termination
- BS 8519 Category 2, Code of Practice Life Safety and Firefighting Systems
- 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

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#### CONSTRUCTION

Conductor material Copper Conductor surface Bare

Core insulation materialSilicone rubberScreen constructionMetallised foilScreenYes

Screen material Aluminium

Material outer sheath Low smoke zero halogen

Cable shape 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; Three Cores: Brown, Black, Grey; Four Cores: Blue, Brown, Black, Grey;

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 [mm²]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
2	1.5	Class 1 = solid	1.5	9	120	12.1
2	2.5	Class 1 = solid	2.5	10.5	175	7.41
2	4	Class 2 = stranded	4	12.3	245	4.61
3	1.5	Class 1 = solid	1.5	9.4	140	12.1
3	2.5	Class 1 = solid	2.5	11.1	205	7.41
3	4	Class 2 = stranded	4	13.2	300	4.61
4	1.5	Class 1 = solid	1.5	10.2	165	12.1
4	2.5	Class 1 = solid	2.5	12.1	245	7.41
4	4	Class 2 = stranded	4	14.3	350	4.61