

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

CONSTRUCTION

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

APPLICATIONS PROPERTIES

Nominal voltage U ₀ [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

TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm ²]	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	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