

# **FT30SAFFIRE**

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





Draka Firetuf® FT30 Saffire is a '**Standard**' fire resistant cable as defined by fire alarm and emergency lighting British Standards

#### **KEY APPLICATIONS**

Fire detection and fire alarm systems for buildings.

Voice alarm systems and emergency voice communication.

Emergency and escape lighting.

Control circuits for life safety and fire fighting systems.

Other essential service control circuits for "Standard" fire resistance.

#### FEATURES AND BENEFITS

- Fully screened
- Full size CPC in direct contact with screen
- Tough insulation, compliant with type EI5 to BS EN 50363-5
- Zero Halogen, Low Smoke (OHLS®) sheath
- Easy termination
- BS 8519 Category 1, Code of Practice Life Safety and Firefighting Systems
- BS 5839-1 "Standard", Code of Practice Fire Alarms
- BS 5266-1 "Standard", Code of Practice Emergency Lighting
- Manufactured under ISO 9001 Quality management systems

### STANDARDS



BS 7629-1 - Standard 60 (2, 3 & 4 cores, 1.5mm<sup>2</sup> to 4mm<sup>2</sup>) BS EN 50200 - 30 minutes BS EN 50200 - 60 minutes BS EN 50200 - ANNEX E 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 & Water - 30 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 Low smoke zero halogen 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; 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 [mm <sup>2</sup> ]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
2	1.5	Class 1 = solid	1.5	7.9	91	12.1
2	1.5	Class 2 = stranded	1.5	8.2	97	12.1
2	2.5	Class 1 = solid	2.5	9.5	140	7.41
2	2.5	Class 2 = stranded	2.5	9.5	145	7.41
2	4	Class 2 = stranded	4	11.6	205	4.61
3	1.5	Class 1 = solid	1.5	8.5	120	12.1
3	2.5	Class 1 = solid	2.5	10.4	180	7.41
3	4	Class 2 = stranded	4	12.3	260	4.61
4	1.5	Class 1 = solid	1.5	10	150	12.1
4	2.5	Class 1 = solid	2.5	11.9	225	7.41
4	4	Class 2 = stranded	4	13.5	320	4.61
7	1.5	Class 2 = stranded	1.5	13.5	250	12.1