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## 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, 1.5mm² to 4mm²)

BS EN 50200 - PH30 BS EN 50200 - PH60 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

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#### CONSTRUCTION

Conductor material Copper
Conductor surface Bare

Core insulation material Low smoke zero halogen

Screen construction Metallised foil

Screen Yes 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	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