Draka

FIRETUF CAT5 FB
Fire resistant Ethernet network cable

GENERAL INFO

Product description	FIRETUF FB is a **halogen-free Ethernet data cable with fire resistant properties**. The installation cable is specially designed for fire protection systems where up to 90 minutes of function retention is required. The cable is used in computer networks, emergency broadcast systems, and Ethernet networks, supporting 100BASE-T up to 75 meter at room temperature. Continued data operation is guaranteed up to 2 hours @950°C. The cable is suitable for building installations, industrial installations, and oil and gas installations (onshore and offshore).
	This cable **offers additional protection against EMC interference** thanks to the double (collective) shielding with aluminium foil and braiding.
Generic name(s)	Cat 5 SF/UTP FR

CERTIFICATIONS AND DESIGN STANDARDS

Certifications and approvals	RoHS REACH
Standards	**EN 50173** **ISO/IEC 11801**

CABLE DESIGN

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Silicone rubber
Screen construction	Braiding
Screen material	Copper, tinned
Screen over stranding	Braiding
Material outer sheath	Halogenfree polymer
Cable shape	Round

A brand of the
Prysmian
Group

Draka

APPLICATION PROPERTIES

Min. outer temperature, fixed installation [°C]	-20
Max. outer temperature, fixed installation [°C]	60
Min. outer temperature during installation [°C]	-20
Max. outer temperature during installation [°C]	60
Bending radius (rule)	8xD during installation, 4xD installed

ELECTRICAL PROPERTIES

Test voltage [kV]	1
Category	Other
NVP value [%]	67

FIRE PROPERTIES

Circuit integrity	E 90
Flame retardant	In accordance with EN/IEC 60332-3-24
Halogen free	acc. IEC/EN 60754-1/2
Low smoke	acc. IEC/EN 61034-2

A brand of the
Prysmian
Group

Draka

PRODUCT RANGE

Product code	Basic construction	Conductor category	Colour outer sheath	Nominal outer diameter [mm]	Weight [kg/km]	Min. bending radius, fixed [mm]	DOP number
128690	4x2x22 AWG	Class 1 = solid	Red	10.5	157	85	

ELECTRICAL PROPERTIES

Product code	Basic construction	Characteristic impedance [Ohm]	Coupling attenuation [dB]
128690	4x2x22 AWG	100	

A brand of the
Prysmian
Group