



# Draka

# FT120

**FIRETUF®**

## Firetuf FT 120 - Enhanced Fire Resistant Cable

Firetuf FT120 is the 'enhanced' fire resistant cable solution for fire detection, fire alarm, emergency voice communication and emergency lighting circuits. It meets the requirements of the construction standard BS7629-1, certified by BASEC and also meets the 'enhanced' requirements for fire resistance in BS8434-2, certified by LPCB. It is suitable for all 'enhanced' applications described in BS5839-1, 6, 8 & 9 and BS5266-1 and FT120 retains the easy handling advantages of a pliable cable with lower termination costs and no special tool requirements. LU approved cable (LU Approval ref 422).



### Construction

<b>Manufacturing standard:</b>	BS 7629-1	
<b>Conductors:</b>	Solid or stranded plain annealed copper wire (class 1 or class 2) to BS EN 60228	
<b>Conductor (earth):</b>	Solid or stranded tinned annealed copper wire (class 1 or class 2) to BS EN 60228	
<b>Insulation:</b>	Enhanced silicone rubber	
<b>Binder:</b>	Enhanced close weave glass tape	
<b>Electrostatic Screen:</b>	Enhanced aluminium/polyester laminated tape	
<b>Sheath:</b>	Enhanced thermoplastic Zero Halogen, Low Smoke (OHLS®)	
<b>Core colours:</b>	Harmonised	Non-Harmonised/Middle East
	Two core: Brown and Blue	Two core: Red and Black
	Three core: Brown, Black and Grey	Three core: Red, Yellow and Blue
	Four core: Brown, Black, Grey and Blue	Four core: Black, Red, Yellow and Blue
<b>Sheath colour:</b>	Red or White	

### Physical Characteristics

<b>Voltage rating (Uo/U):</b>	300/500V
<b>Operating temp:</b>	-20°C to 70°C (the cable should not be installed when either the ambient or cable temperature is below 0°C)
<b>Min, bending radius:</b>	6 x overall diameter of cable
<b>Curent rating:</b>	Refer to tables 4D2A & 4D2B in BS7671

### Performance Characteristics

<b>Circuit integrity:</b>	BS 5266-1:2011 Clause 8.2.2(b) Enhanced BS 5839-1:2013 Clause 26.2(e) Enhanced BS 6387 C, W & Z BS 8434-2:2003+A2:2009 BS EN 50200 PH120
<b>Flame propagation:</b>	BS EN 60332-1-2 BS EN 60332-3-24
<b>Smoke emission:</b>	BS EN 61034-2
<b>Acid gas emission:</b>	BS EN 60754-1

Other colours are available on request



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**Prysmian**  
Group

# **Ft120**

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Nominal area of conductor  mm <sup>2</sup>	Conductor class	Nominal area of CPC  mm <sup>2</sup>	Maximum conductor resistance @ 20°C Ω/km	Approx. overall diameter  mm	Approx. cable weight  kg/km	Approx. capacitance values*	
						Core-core  nF/km	Core- screen  nF/km

#### Two core FTPLS2EH

1.5	1	1.5	12.1	8.9	125	95	150
2.5	1	2.5	7.4	10.4	185	100	165
4	2	4	4.6	12.2	255	125	205

#### Three core FTPLS3EH

1.5	1	1.5	12.1	9.2	145	95	150
2.5	1	2.5	7.4	11.0	215	100	165
4	2	4	4.6	13.1	305	125	205

#### Four core FTPLS4EH

1.5	1	1.5	12.1	10.1	170	95	150
2.5	1	2.5	7.4	12.0	255	100	165
4	2	4	4.6	14.1	360	125	205



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\*These values are approximate, as they are not required by the manufacturing standard, and should be verified by measurement.