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FireQing - B_{2ca} Rated Cable

F-UTP CAT6 4 Pair **CPR Class: B_{2ca}, s1a, d1, a1**

250MHz 4 Pair 23AWG Solid Conductor CAT6 [ISO/IEC11801, TIA/EIA568B]

Where high performance to CPR standards is required, this F-UTP CAT6 4 Pair cable will meet your needs having achieved CPR EuroClass B_{2ca} [AVCP System 1+]. Low levels of smoke emission, flaming droplets, and acid gas production mean that this cable exceeds the requirements of BS6701 Amendment 1 so can be specified in your installation with complete peace of mind.

Our structured wiring range also includes: CAT5e UTP and FTP Cables, CAT6 UTP and FTP, CAT6A, and CAT7A.

Physical Characteristics

	LSZH Sheath
Conductor:	Solid Bare Copper Wire
Size:	23AWG (1/0.54 ± 0.005)
Nº of Pairs:	4 Pairs [w/ Plastic Separator]
Insulation:	HDPE Ø 1.05mm (±0.02mm)
Screen:	Alu Foil
Outer Sheath Material:	LSZH
Outer Sheath Dimensions:	Ø7.60mm (±0.3mm) Nominal Thickness 0.60mm (±0.05)
EN50575 CPR Class:	B _{2ca} , s1a, d1, a1
Sheath Colours:	Orange
Operating Temperature	-40°C - +60°C
Installation Temperature	-30°C - +65°C
CIBSE TM65 Embodied Carbon [kgCO ₂ e/305m]	110

Electrical Characteristics

Conductor DC Resistance	88.4 [Ω/km]
Conductor Resistance Unbalance (%) Max	5.0
Capacitive unbalance to earth (pf/100m)	330
Characteristic Impedance	1.0 – 100MHz 100Ω (±15) 100 – 250MHz 100Ω (±20)
Velocity Ratio	70%
Voltage Rating	600V
Spark Test	2.5kV

Frequency (MHz)	RL (dB) min. ≥	Attenuation (dB/100m) max ≤	NEXT (dB) ≥	PSNEXT (dB) ≥	PSELFEXT (dB) ≥	ELFEXT (dB) ≥
4	23.0	3.8	66.3	63.3	53.0	56.0
10	25.0	6.0	60.3	57.3	45.0	48.0
16	25.0	7.6	57.2	54.2	40.9	43.9
20	25.0	8.5	55.8	52.8	39.0	42.0
31.25	23.6	10.7	52.9	49.9	35.1	38.1
62.5	21.5	15.5	48.4	45.4	29.1	32.1
100	20.1	19.9	45.3	42.3	25.0	28.0
200	18.0	29.1	40.8	37.8	19.0	22.0
250	17.3	33.0	39.3	36.3	17.0	20.0

Colour Code

Pair 1	Blue, White/Blue	Pair 3	Green, White/Green
Pair 2	Orange, White/Orange	Pair 4	Brown, White/Brown

Our full product range includes:

COAXIALS:	RG / URM Digital / Satellite (incl Sky+) [CAI Approved] CCTV RF / Microwave
TELECOM:	CW1308 CW1308LSF CW1308LSZH CW1308B CW1128 CW1128/1198 CW1128/1252 Dropwire Jumper Wire CW1311 2002/2003/3002 Flat Cordage
STRUCTURED WIRING:	"ULTRA350" CAT5e UTP & FTP "ULTRA550" CAT6 UTP & FTP "ULTRA600" CAT6A U-FTP "ULTRA1200" CAT7A S-FTP [PVC LSZH External UV PE SWA Versions] [Belden Equivalents]
DATA:	Single Pair Shielded/Unshielded Overall Shielded Core Overall Shielded Pairs Foil & Braid Shield Individual Shielded Pairs Twinax [Belden Equivalents]
DEF STANDARD:	7-2_-C (Braided Screen) 16-2_-C (Braided Screen) PVC / LSF Sheath options
CCTV / SECURITY:	RG/URM Coaxial Video/Door Entry Composites BS4737 Alarm Flex Mains Flex PH30/PH120 Fire Performance Cable
FIBRE OPTICS:	Singlemode/Multimode Loose Tube/Tight Buffer Internal/External LSZH Corrugated Armour/SWA
SPEAKER FLEX:	"QCSound" Pro Grade OFC Cores LSZH Sheaths
CONNECTED HOME:	QCMC5 [2x HDTV Coax] + [2x CAT6] + [1x CAT5e]
CONTROL BUS CABLES:	KNX / EIB Bus Cables DataBus® DiviceNet™ PROFIBUS Lutron Grafik Eye® CRESSNET® SIMMTRONIC Echelon LonWorks® Mode Lighting
MAINS FLEX:	H03VV-F H03VVH2-F H05VV-F H05Z1Z1-F BS6500/BS7919 Arctic Grade H07RN-F
SOLAR:	TUV/UL Approved PV Cable.

All our products are RoHS2 [2015/863] and REACH Compliant unless stated otherwise.

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No legal responsibility can be accepted for any inaccuracy.

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Statement of Conformance

It is hereby certified that any goods supplied that reference those above, conform to this specification unless otherwise noted

