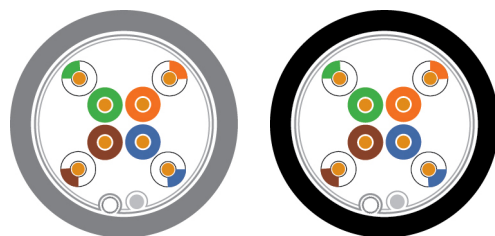




Qing Cables

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F-UTP CAT5e 4 Pair

100MHz 4 Pair 24AWG Solid Conductor CAT5e [ISO/IEC11801, TIA/EIA568B]

Qing Cables Structured Wiring range is designed to offer higher performance than the standard Category 5e cables available today. These cables are designed for faultless signal transmission and offer headroom to support today's bandwidth intensive applications for twisted pair cabling whether it be in data networks, control systems, CCTV over IP, home connectivity, or digital signage.

These cables exceed performance standards for TIA/EIA 568-C.2 Category 5e, ISO/IEC 11801 Ed2 Class D; and EN 50173-1:2011

Cables supplied in 305m reel boxes are sequentially meter marked to ensure you always know the amount of cable remaining at your disposal, sheath printing includes batch marking for full quality traceability.

In addition to the CAT5e FTP Cables described here, we also stock CAT5e UTP Cables, CAT6 UTP and FTP, CAT6A, CAT7, CAT7A, and CAT8.1.

Physical Characteristics

Conductor:	Solid Bare Copper Wire
Size:	24AWG (1/0.50 - ±0.005)
Nº of Pairs:	4 Pairs
Insulation:	HDPE Ø 1.0mm (±0.03mm)
Screening:	Alu Foil [+24AWG Drain Wire]
Outer Sheath Material:	see below
Outer Sheath Dimensions:	Ø6.10mm (±0.3mm) Nominal Thickness 0.55mm (±0.05)
Sheath Colours	see below
Weight	40kg/km
Operating Temperature	-40°C - +75°C
Installation Temperature	-30°C - +65°C
CIBSE TM65 Embodied Carbon per 305m box	93kgCO2e



LSZH Sheath meets:
IEC60332-1 [Flame Propagation]
IEC60754 [Halogen Free]
IEC61034 [Smoke Emissions]

Electrical Characteristics

Conductor DC Resistance	95 [Ω/km]
Conductor Resistance Unbalance (%) Max	5.0
Capacitive Unbalance to earth (pF/100m)	330
Characteristic Impedance	1.0 – 100MHz 100Ω (±15)
Rated Voltage	600V
Spark Test	2.5kV

Frequency (MHz)	RL (dB) min. ≥	Attenuation (dB/100m) max ≤	NEXT (dB) ≥	PSNEXT (dB) ≥	PSELFEXT (dB) ≥	ELFEXT (dB) ≥
1	20.0	2.0	65.3	62.3	61.0	64.0
4	23.0	4.1	56.3	53.3	49.0	52.0
8	24.5	5.8	51.8	48.8	42.9	45.9
10	25.0	6.5	50.3	47.3	41.0	44.0
16	25.0	8.2	47.2	44.4	36.9	39.9
20	25.0	9.3	45.8	42.8	35.0	38.0
25	24.3	10.4	44.3	41.3	33.0	35.8
31.25	23.6	11.7	42.9	39.9	31.1	34.1
62.5	21.5	17.0	38.4	35.4	25.1	28.1
100	20.1	22.0	35.3	32.3	21.0	24.0
155	18.8	28.1	32.4	29.4	17.2	20.2
200	18.0	32.4	30.8	27.8	15.0	18.0
310	16.7	41.8	27.9	24.9	11.2	14.2
350	16.3	44.9	27.1	24.4	10.1	13.1

Colour Code

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



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Stock range

Sheath Type	Colour	Overall Diameter	Stock Lengths	CPR Rating
PVC	Grey	Ø6.20mm	305m Reelex Box	Eca
LSZH (Megalon S572)	Purple	Ø6.20mm	305m Reelex Box	Dca,s2,d2,a1
External UV Resistant LDPE to ISO4892-3	Black	Ø6.20mm	305m Reelex Box 1000m Reels [cut to length]	Fca
External PE/PP Direct Burial Sheath		Ø7.25mm	1000m Reels [cut to length]	Fca

Our full product range includes:

COAXIALS: RG / URM Digital / Satellite (incl Sky+) [CAI Approved] CCTV RF / Microwave
TELECOM: CW1308LSF CW1308LSZH CW1308B CW1128 CW1128/1198 CW1128/1252 Dropwire Jumper Wire CW1311 3002 Coax Flat Cordage
STRUCTURED WIRING: CAT5e UTP & FTP CAT6 UTP & FTP CAT6A U-UTP & U-FTP CAT7A S-FTP [PVC LSZH External UV PE SWA Versions]
DATA: Single Pair Shielded/Unshielded Overall Shielded Core Overall Shielded Pairs Foil & Braid Shield Individual Shielded Pairs Twinax [Belden Equivalents]
DEF STANDARD: 7/0.2 Unscreened / Screened 16/0.2 Unscreened / Screened
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 External Grade
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 - EBus / MBus / OBus Echelon LonWorks® Mode Lighting
MAINS FLEX: H03VV-F H03VVH2-F H05VV-F H05Z1Z1-F BS6500/BS7919 Arctic Grade H07RN-F
SOLAR: TUV Approved PV Cable.

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

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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

