



Qing Cables

Malmesbury Road,
Kingsditch Industrial Estate,
Cheltenham, Glos, GL51 9PL. UK



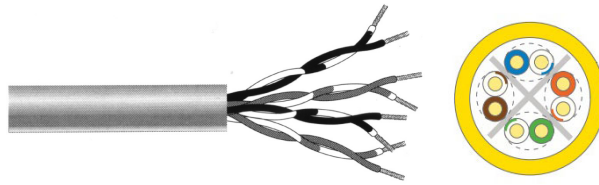
T: 01242 224141

F: 01242 224134

www.qingcables.com

enquire@qingcables.co.uk

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UTP CAT6 4 Pair HDBase™ Recommended

550MHZ 4 Pair 23AWG Solid Conductor CAT6 [ISO/IEC11801, TIA/EIA568B]

Qing Cables Structured Wiring range is designed to offer higher performance than the standard Category 6 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, **and are HDBase™ Recommended**. These cables exceed performance standards for TIA/EIA 568-C.2 Category 6, ISO/IEC 11801 Ed2 Class E; 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. **Our range is backed with a Lifetime Warranty.**

In addition to the CAT6 UTP Cables described here, we also stock CAT5e UTP and FTP Cables, CAT6 FTP, CAT6A, CAT7, CAT7A, and CAT8.1
Please ask about our range of Smart Home Cables including LSZH Speaker / KNX / Lutron

Physical Characteristics

Conductor:	Solid Bare Copper Wire
Size:	23AWG (1/0.53 - ±0.005)
Nº of Pairs:	4 Pairs [w/ Plastic Separator]
Insulation:	HDPE Ø 0.93mm (±0.03mm)
Sheath Material:	LSZH
Sheath Dimensions:	Ø5.80mm (±0.4mm)
Sheath Colours:	Grey Black Blue Green Orange Purple Red Yellow White
Weight:	58kg/km
Operating Temperature:	-40°C - +75°C
Installation Temperature:	-30°C - +65°C
EN50575 CPR Class:	Dca, s2,d2,a1
HDBase™ Reference:	CN-04590

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	
Characteristic Impedance					1.0 – 250MHz 100Ω (±15)	
Delay Skew					1.0 – 250MHz ≤45 (ns/100m)	
Mutual Capacitance (1kHz) Max					5.6nF/100m	
Frequency (MHz)	RL (dB) min. ≥	Attenuation (dB/100m) max ≤	NEXT (dB) ≥	PSNEXT (dB) ≥	PSELFEXT (dB) ≥	ELFEXT (dB) ≥
1	20.0	2.0	74.3	72.3	64.8	67.8
4	23.0	3.8	65.3	63.3	52.8	55.8
8	24.5	5.3	60.8	58.8	46.7	49.7
10	25.0	6.0	59.3	57.3	44.8	47.8
16	25.0	7.6	56.2	54.2	40.7	43.7
20	25.0	8.5	54.8	52.8	38.8	41.8
25	24.3	9.5	53.3	51.3	36.8	39.8
31.25	23.6	10.7	51.9	49.9	34.9	37.9
62.5	21.5	15.4	47.7	45.4	28.9	31.9
100	20.1	19.8	44.3	42.3	24.8	27.8
200	18.0	29.0	39.8	37.8	18.8	21.8
250	17.3	32.8	38.3	36.3	16.8	19.8

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: 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: QCMCS [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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No legal responsibility can be accepted for any inaccuracy.

The company reserves the right to alter or modify the information without notice.

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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



Ask about our Speaker Cable Range