Qing Cables
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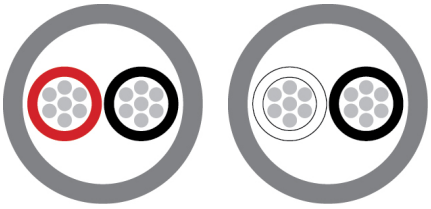
Lifetime GUARANTEE



QUALITY CONNECTIVITY

QC-USC Range

Un-Screened Data / Security / Audio Cable **600V Rated**

Physical Characteristics

Conductor:	Stranded Tinned Copper Wire
Size:	see below
Nº of Cores/Pairs:	2 Core / 1 Pair 4 Core
Insulation:	PVC
Screening:	none

Range

Conductor Size	Part Number	Sheath Colour	Overall Diameter	EN50575 CPR Class:
22AWG (7/0.25mm) LSZH	QC-USC2/22LSZH **[8442 Equivalent]** **Alternative to 4500UE / 5500UE / 6500UE**	Grey	Ø4.30mm	E_{ca}
22AWG (7/0.25mm) LSZH 4 Core	QC-USC4-22LSZH **[8444 / 8444NH Equivalent]** **Alternative to 4502UE / 5502UE / 6502UE**	Grey	Ø4.30mm	F_{ca}
20AWG (7/0.30mm) LSZH	QC-USC2/20LSZH **[8205 Equivalent]** **Alternative to 4400UE / 5400UE / 6400UE**	Grey	Ø4.60mm	E_{ca}
18AWG (16/0.25mm) LSZH	QC-USC2/18LSZH **[9740 Equivalent]** **Alternative to 4300UE/ 5300UE / 6300UE / 8461NH**	Grey	Ø5.30mm	E_{ca}
18AWG (16/0.25mm) LSZH	QC-USC2-18LSZH-CPR-Dca **[9740 Equivalent]** **Alternative to 4300UE/ 5300UE / 6300UE / 8461NH**	Grey	Ø5.30mm	**Dca,s1,d0,a1**
16AWG (19/0.30mm) LSZH	QC-USC2/16LSZH **[8471NH Equivalent]** **Alternative to 4200UE / 5200UE / 6200UE** *Used on Echelon LonWorks **Trend TP/1/0/16/HF/200-600V**	Grey **Or** Purple	Ø6.96mm	E_{ca}
16AWG (19/0.30mm) LSZH	QC-USC2/16LSZH **[8471ELW Equivalent]**	Grey	Ø6.96mm	$C_{ca,\ s1a,d1,a1}$
16AWG (19/0.30mm) **External**	QC-USC2/16PE **[8471 Equivalent]** **Alternative to 5240U1**	Black	Ø6.96mm	F_{ca}
14AWG (19/0.36mm) LSZH	QC-USC2/14LSZH **[8473 Equivalent]** **Alternative to 4100UE / 5100UE / 6100UE**	Grey	Ø8.64mm	F_{ca}

Electrical Characteristics

	22AWG [0.35mm²]	20AWG [0.50mm²]	18AWG [0.80mm²]	16AWG [1.20mm²]	14AWG [1.9mm²]
Conductor DC Resistance [Ω/km]	54.1	37.6	25.6	13.8	9.38
Rated Temperature	80°C	80°C	80°C	80°C	80°C
Rated Voltage	600V	600V	600V	600V	600V
Insulation Resistance [MΩ/km]	>200	>200	>200	>200	>200
CIBSE TM65 Embodied Carbon [kgCO2e/1000m]	97 157	127	242	368	

Colour Code

22AWG – Red/Black
20AWG – Red/Black
18AWG – Red/Black
16AWG – White/Black
14AWG – Clear/Black

22AWG 4 Core: Black/White/Red/Green

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

External PE Sheath:
UV Resistant to ISO4892-3

HDBT™ MEMBER KNX RoHS UKCA CE EN50575:2014 CPR Compliant

nqa. ISO 9001 QUALITY MANAGEMENT — UKAS MANAGEMENT SYSTEMS 0015

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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

Issue 1

Quality in Connectivity