Qing Cables
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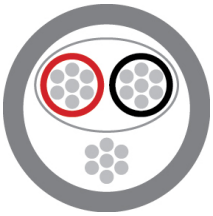
Lifetime GUARANTEE



QUALITY CONNECTIVITY

OSP Single Pair Range

Data Cable Overall Screened - Single Pair [2 Core]

600V Rated

Physical Characteristics

	LSZH / PE	SWA
Conductor:	Stranded Tinned Copper Wire	
Size:	see below	
Nº of Pairs:	1 Pair	
Insulation:	PE **[OSP1/22 – Polypropylene]**	
Screening:	Overall Alu Foil Screen w/Drain Wire	
Inner Sheath:	n/a	LSZH Ø5.60mm
SWA:	n/a	0.9mm **Galvanised Steel Wire**
Outer Sheath:	see below	LSZH Ø9.60mm

UV Resistant External PE Sheath is weather resistant to ISO4892-3

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

Range

Conductor Size	Part Number	Sheath Colour	Overall Diameter	EN50575 CPR Class
22AWG (7/0.25mm) LSZH	QC-OSP1-61LSZH **[8761 Equivalent]** **Alternative to 9462 / 4500FE / 5500FE / 6500FE** [Equiv. to Honeywell NC2221]	Grey	Ø3.80mm	E_{ca}
22AWG (7/0.25mm) PE	QC-OSP1-61PE ***UV Resistant External PE Sheath [ISO4892-3]***	**Black**	Ø3.80mm	F_{ca}
22AWG (7/0.25mm) LSZH	QC-OSP1-22LSZH **[8451 Equivalent]** **Alternative to 1503A / 4500FE / 5500FE / 6500FE**	Grey	Ø3.50mm	F_{ca}
20AWG (7/0.30mm) LSZH	QC-OSP1-62LSZH **[8762 Equivalent]** **Alternative to 4400FE / 5400FE / 6400FE**	Grey	Ø4.80mm	E_{ca}
20AWG (7/0.30mm) PE	QC-OSP1-62PE ***UV Resistant External PE Sheath [ISO4892-3]***	**Black**	Ø4.80mm	F_{ca}
18AWG (16/0.25mm) LSZH	QC-OSP1-60LSZH **[8760 Equivalent]** **Alternative to 4300FE / 5300FE/6300FE** [Equiv. to Honeywell NC1821]	Grey	Ø5.60mm	E_{ca}
18AWG (16/0.25mm) PE	QC-OSP1-60PE **Alternative to 5300F1** ***UV Resistant External PE Sheath [ISO4892-3]***	**Black**	Ø5.60mm	F_{ca}
18AWG (16/0.25mm) SWA	QC-OSP1-60SWA LSZH	**Black**	Ø9.60mm	F_{ca}
16AWG (19/0.30mm) LSZH	QC-OSP1-19LSZH **[8719 Equivalent]** **Alternative to 4200FE / 5200FE / 6200FE**	Grey	Ø7.20mm	E_{ca}
16AWG (19/0.30mm) PE	QC-OSP1-19PE **[8719 Equivalent]** ***UV Resistant External PE Sheath [ISO4892-3]***	**Black**	Ø7.20mm	F_{ca}
14AWG (19/0.36mm) LSZH	QC-OSP1-14LSZH [8720 Equivalent] **Alternative to 4100FE / 5100FE / 6100FE**	Grey	Ø9.00mm	F_{ca}

Electrical Characteristics

	22AWG **OSP1/61**	22AWG **OSP1/22**	20AWG	18AWG	18AWG **B2ca**	16AWG	14AWG
Conductor DC Resistance [Ω/km]	54.1	54.1	37.6	23.7	20.5	13.8	9.8
Nominal Impedance	64Ω	64Ω	56Ω	57Ω	57Ω	65Ω	58Ω
Rated Voltage	600V	600V	600V	600V	600V	600V	600V
Insulation Resistance [MΩ/km]	>200	>200	>200	>200	>200	>200	>200
Rated Temperature	80°C	80°C	80°C	80°C	80°C	80°C	80°C

Colour Code

Black / Clear	Black / Red	Black / Clear	Black / Clear	Black / Red	Black / Clear	Black / White

16AWG / 18AWG / 20AWG
CPR Cca,s1a,d0,a1
versions also available

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

nqa ISO 9001 QUALITY MANAGEMENT — UKAS MANAGEMENT SYSTEMS 0015

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This specification and images
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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 Connectivity