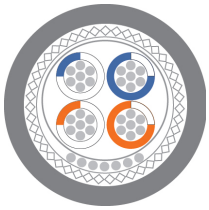
Qing Cables
Malmesbury Road,
Kingsditch Industrial Estate,
Cheltenham, Glos, GL51 9PL. UK

Lifetime GUARANTEE



QC-OFB Range 24AWG

24AWG Overall Foil & 91% Braid Screened Pairs RS485 Data Cable
600V Rated
MODBUS Plus EIA-485 Paired Cable / DMX-512®

Physical Characteristics

Conductor:	Stranded Tinned Copper Wire
Size:	24AWG (7/0.20)
Nº of Pairs:	see below
Insulation:	PE (0.75mm) Ø 1.80mm
Screening [1]:	Overall Alu Foil Screen **24AWG Drain Wire**
Screening [2]:	Tinned Copper Wire Braid [91%]
Outer Sheath:	see below
Sheath Colours	see below

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

Range

Pairs	Part Number	Sheath Colour	Overall Diameter	EN50575 CPR Class
1 Pair LSZH	QC-OFB1-24LSZH [9841 Equivalent] **Alternative to YM29560** **[Equiv. to Honeywell NCP2021]** **[Equiv BT C1189]**	Grey	Ø5.90mm	E_{ca}
1 Pair External PE	QC-OFB1-24PE **Alternative to YM29560** **[Equiv. to Honeywell NCP2021]** **[Equiv BT C1189]**	Black External **UV Resistant to ISO4892-3**	Ø5.90mm	F_{ca}
2 Pair LSZH	QC-OFB2-24LSZH [9842 Equivalent] **[Equiv. to Honeywell NCP2441]** **[Equiv BT C1190]**	Grey	Ø7.50mm	E_{ca}
2 Pair External PE	QC-OFB2-24PE **[Equiv BT C1190]**	Black External **UV Resistant to ISO4892-3**	Ø7.50mm	F_{ca}
2 Pair SWA/LSZH	QC-OFB2-24SWA Armoured **[Equiv BT C1190]**	Black External **UV Resistant to ISO4892-3**	Ø13.0mm	F_{ca}
3 Pair LSZH	QC-OFB3-24LSZH [9843 Equivalent] **[Equiv BT C1191]**	Grey	Ø9.15mm	F_{ca}
4 Pair LSZH	QC-OFB4-24LSZH [9844 Equivalent] **[Equiv BT C1192]**	Grey	Ø9.90mm	F_{ca}

Electrical Characteristics

Conductor DC ResistanceP	86.2 [Ω/km]
Rated Temperature	80°C [PE 70°C]
Rated Voltage	600V
Insulation Resistance	>200 [MΩ/km]
Nominal Capacitance	42 pF/M
Distributed Capacitance Between Cores:	44-46pF/M
Distributed Capacitance Core to Screen:	84-87pF/M
Velocity Ratio	66%
Nominal Impedance	120 [Ω/km]

1 & 2 Pair
Also available to CPR
C_{ca},s1a,d0,a1

Colour Code

Pair 1	White/Blue – Blue/White
Pair 2	White/Orange – Orange/White
Pair 3	White/Green – Green/White

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

T: 01242 224141
F: 01242 224134
www.qingcables.com
enquire@qingcables.co.uk

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Registered in England & Wales No. 2181405 Directors: M.L.G.Taylor, L.J.Taylor, K.M.Wylde

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

Pair 4	White/Brown – Brown/White

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