



Qing Cables



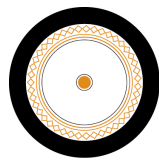
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DFD100

75 Ohm CAI Approved Digital / Satellite HDTV Coaxial [Class A+ Screening]

Manufactured to BS EN 50117-1:2002

CAI Benchmark CAI-007-C / 100 / 06-2016

This Class A+ 3GHz Screened pure copper coaxial cable is manufactured to carry Digital /Satellite HDTV signals and is also suitable for HD-SDI CCTV Signals. DFD100 is of the highest quality necessary to achieve the CAI Benchmark status, and is perfect for any home entertainment system. Compatible for 4K TV and Ultra HD.

Class A+ Screening ensures that external interference from Mobile phones and WiFi does not impede the transmission of signals.

Also available as part of a Multimedia Composite (QCMC5) with 2x DFD100 2x CAT6 and 1x CAT5e cables

Please beware of inferior cable in the market that may have CCA Braid and Copper Coloured Tape – cables that would only achieve Class E screening.

Physical Characteristics

	Single	Twin (Sky+)
Conductor:	Bare Copper – 1.0mm Solid Bare Copper	
Dielectric:	Gas Injected PE [Ø4.65mm]	
Screening:	Pure Copper Tape [100% Coverage]	
Screening:	Pure Copper Braid [>55% Coverage]	
Outer Sheath:	LSF / LSZH / PE	PVC / LSF or LSZH
Sheath Colours	PVC – Brown LSF – Black, White, Brown LSZH – Black, White External PE – Black [LSZH meets IEC60332.1, IEC60332.3, IEC60754, IEC61034] Ø6.70mm	PVC - White LSF – Black LSZH – Black [LSZH meets IEC60332.1, IEC60332.3, IEC60754, IEC61034] Ø6.70mm (x2)
UV Stable	All Black sheathed cables are UV stable	
CIBSE TM65 Embodied Carbon [kgCO ₂ e/1000m]	LSF: 294 LSZH: 302	LSF: 588 LSZH: 604
EN50575 CPR Class:	E _{ca} Also: LSZH D _{ca} , s1,d2,a1	E _{ca}
CAI Certificate Number:	CAI0100K 26 th November 2025 → 19 th September 2026	[Previously CAI0017C] No Longer Certified as of May 2025
Weight	40kg/KM	80kg/KM

Electrical Characteristics

Conductor DC Resistance	26 [Ω/km]
Outer Conductor Resistance	15 [Ω/km]
Rated Temperature	80°C
Rated Voltage	300V
Insulation Resistance	>500 [MΩ/km]
Nominal Capacitance	<52.5pF/M [±10%]
Velocity Ratio	80%
Nominal Impedance	75Ω



Attenuation / Return Loss

Attenuation

@20°C (dB/100M)

5MHz	1.6
50MHz	4.6
100MHz	6.5
200MHz	9.5
460MHz	15.0
860MHz	19.5
1000MHz	21.5
1750MHz	29.0
2150MHz	32.5
3000MHz	39.2

Return Loss

dB (±10%)

5MHz – 30MHz	>23
30MHz – 470MHz	>23
470MHz – 862MHz	>20
862MHz – 2150MHz	>18

Screening Attenuation

dB (±10%) [after flexing]

30MHz – 300MHz	>85 [≥85]
300MHz – 470MHz	>80 [≥80]
470MHz – 1000MHz	>75 [≥75]
1000MHz – 2150MHz	>65 [≥65]

DFD100LSZH to CPR
Cca s1a, d1, a1 also
available

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

Every care is taken to ensure all information contained in this publication is correct.

No legal responsibility can be accepted for any inaccuracy.

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

Any images are for illustration purposes only.

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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

Signature