



ULTRA350

QUALITY
CONNECTIVITY

FireQing DFD100LSZH – CPR Cca s1a, d1, a1

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

Manufactured to BS EN 50117-1:2002

CAI Benchmark CAI-007-C / 100 / 12-2016



This Class A+ 3GHz Screened pure copper coaxial cable is manufactured to carry Digital / Satellite HDTV signals and is also suitable for 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. Where high performance to CPR standards is required, this coaxial will meet your needs having achieved CPR EuroClass Cca [AVCP System 1+]. Low levels of smoke emission, flaming droplets, and acid gas production mean that this cable meets the requirements of BS6701 Amendment 1 so can be specified in your installation with complete peace of mind.

Physical Characteristics

Conductor:	Bare Copper
Size:	1/1.02mm
Dielectric:	Foam PE (Ø4.57mm)
Screening 1	PET Aluminium Foil [100% Coverage]
Screening 2	Tinned Copper Braid (>55% Coverage)
Screening 3	PET Aluminium Foil [100% Coverage]
Outer Sheath:	LSZH Ø6.80mm
Sheath Colours	Black
EN50575 CPR Class:	Cca s1a, d1, a1
CAI Certificate Number:	CAI0166A 7 th May 2024 → 7 th November 2025



Electrical Characteristics

Conductor DC Resistance	26 [Ω/km]
Outer Conductor Resistance	15 [Ω/km]
Bend Radius	10x Ø
Rated Temperature	-30°C - +80°C
Operating Voltage	1500V
Test Voltage	3000V
Insulation Resistance	≥2 G Ω/km
Nominal Capacitance	<52.2pF/M [±10%]
Velocity Ratio	84%
Nominal Impedance	75Ω



Attenuation / Return Loss

Attenuation @20°C (dB/100M)	
3MHz	1.6
50MHz	4.7
100MHz	6.5
200MHz	9.2
470MHz	14.3
860MHz	19.7
1000MHz	21.4
1750MHz	29.0
2150MHz	32.5
3000MHz	39.2

Return Loss dB (±10%)	
3MHz – 470MHz	>20
470MHz – 1000MHz	>18
1000MHz – 2000MHz	>16
2000MHz – 3000MHz	>15
Screening Attenuation dB (±10%) [after flexing]	
30MHz – 1000MHz	>85
1000MHz – 2000MHz	>80
2000MHz – 3000MHz	>75

DFD100 and
DFD100TWIN CAI
Approved also
available

Our full product range includes:

COAXIALS: RG / URM Digital / Satellite (Ind Sty+) [CAI Approved] CCTV RF / Microwave
TELECOM: CW130LSZH CW130EB CW112B CW112B/115B CW112B/115S2 Dropwire Jumper Wire CW1311 5062 Coax Flat Cordage
STRUCTURED WIRING: CAT5e UTP & FTP CAT5 UTP & FTP CAT5A U-UTP & U-FTP CAT7A 5-FTP [PVC LSZH External UN PE SMA Versions]
DATA: Single Pair Shielded/Unshielded Overall Shielded Core Overall Shielded Pairs Foil & Braid Shield Individual Shielded Pairs Twists [Belden Equivalents]
DEF STANDARD: RG/UHM Coaxial Video/Door Entry Composites B54737 Alarms Flex Mains Flex PHD3/PHD20 Fire Performance Cable
FIBRE OPTIC: Singlemode/Multimode Loose Tube/Tight Buffer Internal/External LSZH Corrugated Armour/SWA
SPEAKER FLEX: "QSound" Pro Grade OFC Cores LSZH Sheaths External Grade
CONNECTED HOME: COAXIAL [Dx HDTV Core] + [Dx CAT5] + [Dx CAT5e]
CONTROL BUS CABLES: H05VVB Bus Cable DataBus* DataBus* PROFIBUS Ixion Grafik Eye* CAESSENET* SIMMETRONIC - Ebus / Mbus / Cbus Echelon LonWorks* Mode Lighting
MAINS FLEX: H07VV-F H05VV-F H05V-F H05Z1Z1-F B56506/B57929 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

[Signature]