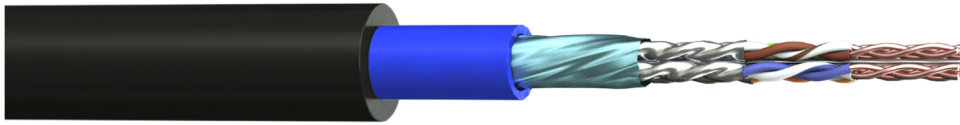


Part No: C6GFFHD
Description: The Cat 6A cable has been tested to 650MHz making it the ideal choice for high speed data networks across a home or building.



**TESTED TO
650MHz**



Construction

Conductor	Bare Copper
AWG	23(1)
Insulation Material	Skin-Foam-Skin Polyethylene (FPE)
Number of Pairs	4
Pair Identification	TIA 568
Individual Pair Screen	Aluminium Polyester Foil, >100% Coverage
Drain Wire	24(1)AWG, Tinned Copper
Overall Screen	Aluminium/Polyester Foil, >100% Coverage
Inner Sheath Material	Low Smoke Halogen Free (LSHF), Blue
Outer Sheath Material	Low Density Polyethylene (LDPE)

Electrical Characteristics

Max. Conductor Resistance @ 20°C	≤ 8.6 Ω/100m
Max. Resistance Unbalanced	≤ 2.0 %
Nominal Impedance	100 ± 15 Ω (1-100MHz), 100 ± 20 Ω (100-250MHz), 100 ± 25 Ω (250-500MHz),
Insulation Resistance	5000MΩ/km
Mutual Capacitance	≤ 5.6nF/100m
Capacitance Unbalanced to Earth	≤ 330 pF/ 100m
NVP	68.5 %
Max. Delay Skew	≤ 45 nS/ 100m
Test Voltage	1kV(d.c.) for 1 min

Physical Characteristics

Overall Diameter	10.4 ± 0.2mm		
Bend Radius	Fixed 4 x OD,	Flexing 8 x OD	
Temperature Rating	Fixed -20°C to 70°C,	Flexing -10°C to 60°C	
Weight	68 kg/km		

Transmission Performance

Frequency	4.0	10.0	16.0	31.3	62.5	100	250	500	650	MHz
Attenuation	3.8	5.9	7.5	10.5	15.0	19.1	31.1	45.3	51.1	dB
Return Loss	23.0	25.0	25.0	23.6	21.5	20.1	17.3	17.3	8.0	dB
NEXT	66.3	60.3	57.2	52.9	48.4	45.3	39.3	34.8	22.9	dB
PS NEXT	63.3	57.3	54.2	49.9	45.4	42.3	36.3	31.8	19.8	dB
ELFEXT	56.0	48.0	43.9	38.1	32.1	28.0	20.0	14.0	-	dB
PSELFEXT	53.0	45.0	40.9	35.1	29.1	25.0	17.0	11.0	-	dB

Standards

RoHS2 Compliance	Yes	Manufactured in accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
CE Compliant	LVD (2014/35/EU)	UV Resistance	Good, ISO 4892-3†
		Weather Resistance	Good, ISO 4892-3†

†500 hour test duration, equivalent to 9-12 months of northern Europe climate.