

Part No: C6TFH01-E00
Description: The TruHD Cat 6 cable has been tested by the HDBaseT Alliance making it the ideal choice for high speed data networks across a home or building network.



TESTED TO
500MHz



Construction

Conductor	Bare Copper
AWG	23(1)
Insulation Material	High Density Polyethylene (HDPE)
Number of Pairs	4
Pair Identification	TIA 568
Overall Tape	Polyester
Drain Wire	24(1)AWG, Tinned Copper
Overall Screen	Aluminium/Polyester
Sheath Material	Low Smoke Halogen Free, Orange

Electrical Characteristics

Max. Conductor Resistance @ 20°C	≤ 9.38 Ω/100m
Max. Resistance Unbalanced	≤ 2.5 %
Nominal Impedance (1-100MHz)	100 ± 15 Ω
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
Voltage Rating EN 50525-1	450/750V*
Test Voltage	2.5kV (AC)

Physical Characteristics

Overall Diameter	7.3 ± 0.5mm		
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	58 kg/km		

Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	200	250	300	400	500	MHz
Attenuation	1.9	3.5	5.5	7.0	7.9	10.0	14.4	18.6	27.4	31.1	34	41.1	47.1	dB
Return Loss	19.1	21.0	21.0	20.0	19.5	18.5	16.0	14.0	11.0	10.0	9.2	8.0	7.0	dB
NEXT	65.0	64.1	57.8	54.6	53.1	50.0	45.1	41.8	36.0	35.3	34.0	31.9	30.4	dB
PS NEXT	62.0	61.8	55.5	52.2	50.7	47.5	42.7	39.3	34.3	32.7	31.4	29.3	27.6	dB
ACRF	64.2	52.1	44.2	40.1	38.2	34.3	28.3	24.2	18.2	16.2	14.6	12.1	10.2	dB
PSACRF	61.2	49.1	41.2	37.1	35.2	31.3	25.3	21.2	15.2	13.2	11.6	9.1	7.2	dB

Standards

Flame Retardant	EN 60332-1-2	Manufactured in accordance to	TIA/EIA 568-C.2, ISO/IEC 11801
Halogen Emissions	EN 60754-2		
Smoke Emissions	EN 61034-2		
RoHS2 Compliance	Yes		
CE Compliant	LVD (2014/35/EU), CPR (305/2011)		
CPR Classification	E _{CA} (EN50575:2014+A1:2016)		

*Suitable for installation where Band II 450/750v cables are present. Not suitable for connection to mains supply

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ISO 9001:2015 Certificate Number: DAS94272226/0/Q

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