

Part No: C6TFH01-B222
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, Blue

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
Halogen Emissions EN 60754-2
Smoke Emissions EN 61034-2
RoHS2 Compliance Yes
CE Compliant LVD (2014/35/EU), CPR (305/2011)
CPR Classification B2_{CA}-s1, d1, a1
 (EN50575:2014+A1:2016)

Manufactured in accordance to TIA/EIA 568-C.2, ISO/IEC 11801

*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

Part Number: C6TFH01-B222
 Date: 18/09/2018
 Revision: 1.3
 Author: GB Checked: GB
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