

Part No: C6THXX-E00
Description: The TruHD Cat 6 U/UTP cable has been tested and recommended by the HDBaseT Alliance making it the ideal choice for high speed data networks across a home or building.



TESTED TO
500MHz



Construction

Conductor : Bare Copper
 AWG : 23(1)
 Insulation Material : High Density Polyethylene (HDPE)
 Number of Pairs : 4
 Pair Identification : White/Blue, Blue/White; White/Orange, Orange/White
 : White/Green, Green/White; White/Brown, Brown/White
 Sheath Material : Low Smoke Halogen Free (LSHF)
 Sheath Colour : Replace XX on the end of the part number with the colour

00	Black	04	White	08	Orange
01	Blue	05	Grey	09	Yellow
02	Brown	06	Violet	10	Green
03	Red	07	Pink		

Electrical Characteristics

Max. Conductor Resistance @ 20°C : ≤ 9.38 Ω/100m
 Max. Resistance Unbalanced : ≤ 2.5 %
 Nominal Impedance (1-100MHz) : 100 ± 15 Ω
 Mutual Capacitance : ≤ 5.6nF/100m
 Capacitance Unbalanced to Earth : ≤ 330 pF/ 100m
 Max. Delay Skew : ≤ 45 nS/ 100m
 Voltage Rating EN 50525-1 : 450/750V*
 Test Voltage : 2.5kV (AC)

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

Physical Characteristics

Overall Diameter : 6.2 ± 0.2mm
 Bend Radius : Fixed 4 x OD Flexing 8 x OD
 Temperature Rating : Fixed -20°C to 60°C Flexing -10°C to 60°C
 Weight : 46 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	34.0	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 : BS EN 60332-1-2	Low Smoke Generation : BS EN 61034-2
Halogen Gas Emission : BS EN 60754-1&2	Approval : HDBaseT
RoHS3 Compliance : Yes	Manufactured in accordance to : TIA/EIA 568-C.2, ISO/IEC 11801
CE Compliant : LVD (2014/35/EU), CPR (305/2011)	CPR Classification : Eca (EN50575:2014+A1:2016)