

**Part No:** C6THXX-D34  
**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 <b>Black</b>	04 <b>White</b>	08 <b>Orange</b>
	01 <b>Blue</b>	05 <b>Grey</b>	09 <b>Yellow</b>
	02 <b>Brown</b>	06 <b>Violet</b>	10 <b>Green</b>
	03 <b>Red</b>	07 <b>Pink</b>	



### 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

#### Standards

Flame Retardant	: BS EN 60332-1-2	Low Smoke Generation Approval	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1&2	Manufactured in accordance to CPR Classification	: HDBaseT
RoHS Compliance	: Yes		: TIA/EIA 568-C.2, ISO/IEC 11801
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)		: Dca s2, d2, a1
UV & Weather Resistant	: ISO 4892-3		(EN50575:2014+A1:2016)

**Part No:** C6THXX-D34  
**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.



### 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