

Part No: C5TXX
Description: The TruHD Cat 5E 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
350MHz

Construction

Conductor : Bare Copper
 AWG : 24(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 : Polyvinyl Chloride (PVC)
 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 : ≤ 9.5 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
 NVP : 68.5 %
 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 : 5.0 ± 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 : 40 kg/km

Transmission Performance

Frequency	1	4	10	16	20	31.25	62.5	100	155	200	300	350	MHz
Attenuation	2.1	3.90	6.2	7.90	8.9	11.2	16.2	21.0	26.6	30.7	38.7	41.4	≤ dB
Return Loss	19.0	19.0	19.0	19.0	19.0	17.1	14.1	12.0	10.1	9.0	7.2	6.6	≥ dB
NEXT	60.0	54.8	48.5	45.2	43.7	40.5	35.7	32.3	29.2	27.3	24.4	23.2	≥ dB
PS NEXT	57.0	51.8	45.5	42.2	40.7	37.5	32.7	29.3	27.0	25.2	22.3	21.2	≥ dB
ACRF	58.6	46.6	38.6	34.5	32.6	28.7	22.7	18.6	17.5	15.3	11.8	10.5	≥ dB
PSACRF	55.6	43.6	35.6	31.5	29.6	25.7	19.7	15.6	11.8	9.6	6.1	4.7	≥ dB

Standards

Flame Retardant : BS EN 60332-1-2	Approval : HDBaseT
RoHS3 Compliance : Yes	Manufactured in accordance to : TIA/EIA 568-C.2, ISO/IEC 11801
CE Compliant : LVD (2014/35/EU)	