

Part No: C6TFH01-B204

Description: The TruHD Cat 6 F/UTP Low Smoke Halogen Free (LSHF) 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.

truHD



HDBTTM
Recommended

Construction

Conductor	: Bare Copper
AWG	: 23(1)
Insulation Material	: High Density Polyethylene (HDPE)
Number of Pairs	: 4
Pair Identification	: Blue, Blue/White; Orange, Orange/White : Green, Green/White; Brown, Brown/White
Drain Wire	: 0.40mm, Tinned Copper
Overall Screen	: Aluminium Foil (100% Coverage)
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Blue



Electrical Characteristics

Max. Conductor Resistance @ 20°C	: ≤ 9.5 Ω/100m
Max. Resistance Unbalanced	: ≤ 2.0 %
Nominal Impedance (1-100MHz)	: 100 ± 5 Ω
Mutual Capacitance	: ≤ 56 pF/m
Capacitance Unbalanced	: ≤ 1600 pF/km
NVP	: 68.5 % ± 2
Max. Delay Skew	: ≤ 45 nS/ 100m
Voltage Rating EN 50525-1	: 125V
Test Voltage	: 1kV

Physical Characteristics

Overall Diameter	: 7.1 ± 0.3mm		
Bend Radius	: Fixed 4 x OD	Flexing	8 x OD
Temperature Rating	: Fixed -20°C to 60°C	Flexing	0°C to 50°C
Weight	: 65 kg/km		

Transmission Performance

Frequency	1	4	10	100	200	250	MHz
Attenuation	2.1	3.8	6.0	19.9	29.1	33.0	≤dB
Return Loss	34	30	27	20	18	17	≥dB
NEXT	75	66	60	45	41	39	≥dB
PS NEXT	72	63	57	42	38	36	≥dB
ACRF	68	56	48	28	22	20	≥dB
PS-ACRF	65	53	45	25	19	17	≥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 Class E, EN 50288-5-1, ISO/IEC 61156-5
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)	CPR Classification	: B2ca s1a, d1, a1 (EN50575:2014+A1:2016)