

Part No: C6TFH08-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.



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 : Orange



Electrical Characteristics

Max. Conductor Resistance @ 20°C : ≤ 9.5 Ω/100m
 Max. Resistance Unbalanced : ≤ 2.0 Ω
 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

Frekans (MHz)	Attenuation (dB/100 m)	NEXT (dB)	PS - NEXT (dB)	ACRF (dB/100 m)	PS-ACRF (dB/100 m)	RL (dB)
1	2.0	83	80	83	80	25
4	3.6	73	70	70	67	31
10	6.0	73	70	60	57	30
100	19.5	55	52	35	32	25
200	28.5	50	47	30	27	22
250	32	45	42	22	19	22
300	33	40	37	20	17	22
400	39	40	37	20	17	20

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)