

**Part No:** C6TGUFH04-B204  
**Description:** The TruHD Cat 6A U/FTP in Low Smoke Halogen Free (LSHF) has been tested and recommended by the HDBaseT Alliance making it the ideal choice for high speed data networks across a home or building.




INDEPENDENTLY  
VERIFIED

### Construction

Conductor : Bare Copper  
 AWG : 23(1)  
 Insulation Material : Skin-Foam-Skin (SFS)  
 Number of Pairs : 4  
 Pair Identification : Blue/White, Orange/White,  
 : Green/White, Brown/White  
 Drain Wire : 0.40mm, Tinned Copper  
 Individual Screen : Aluminium Foil (100% Coverage)  
 Sheath Material : Low Smoke Halogen Free (LSHF)  
 Sheath Colour : White

### 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 : ≤ 56pF/m  
 Capacitance Unbalanced : ≤ 1600 pF/km  
 NVP : 77 % ± 3  
 Max. Delay Skew : ≤ 25 nS/ 100m  
 Voltage Rating EN 50525-1 : 125V  
 Test Voltage : 1kV

### Physical Characteristics

Overall Diameter : 7.9 ± 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 : 66 kg/km

### Transmission Performance

Frequency	1	4	10	100	200	250	400	500	MHz
Attenuation	2.0	3.7	5.9	19.0	27.5	31.0	40.0	45.3	≤dB
Return Loss	34	30	27	20	18	17	16	15	≥dB
NEXT	75	66	60	45	41	39	36	35	≥dB
PS NEXT	72	63	57	42	38	36	33	32	≥dB
ACRF	68	56	48	28	22	20	16	14	≥dB
PS-ACRF	65	53	45	25	19	17	13	11	≥dB

### Standards

Flame Retardant : BS EN 60332-1-2	Low Smoke Generation : BS EN 61034-2
Halogen Gas Emission : BS EN 60754-1&2	Manufactured in accordance to : TIA/EIA 568-C.2, ISO/IEC 11801 Class Ea, EN 50288-4-1, ISO/IEC 61156-5
RoHS3 Compliance : Yes	CPR Classification : B2ca s1a, d1, a1 (EN50575:2014+A1:2016)
CE Compliant : LVD (2014/35/EU), CPR (305/2011)	UV & Weather Resistant : ISO 4892-3
HDBaseT : Recommended	

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