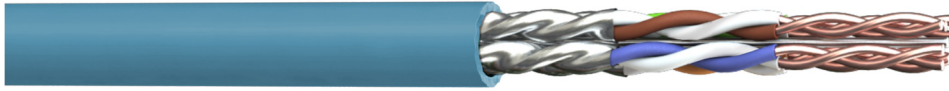


**Part No:** C6TGUFH01-B204

**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.

### 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 : Blue



INDEPENDENTLY  
VERIFIED

### 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	

FS Cables  
Shoal Export

01727 840 841  
+44 1727 849 841

sales@fscables.com  
sales@shoal-export.com

www.fscables.com  
www.shoal-export.com

Part Number: C6TGUFH01-B204  
 Date: 19/05/2021  
 Revision: 1.2  
 Author: GB Checked: GB  
 Page Number: 1 of 1

Information and images on this technical datasheet are intended for guidance only and products may vary due to manufacturing changes, technical improvements and commercial factors. We reserve the right to amend the product information without notice or liability.