

Part No: C6TGUFH06-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 : Violet



Electrical Characteristics

Max. Conductor Resistance @ 20°C : $\leq 9.5 \Omega/100m$
 Max. Resistance Unbalanced : $\leq 2.0 \%$
 Nominal Impedance (1-100MHz) : $100 \pm 5 \Omega$
 Mutual Capacitance : $\leq 56pF/m$
 Capacitance Unbalanced : $\leq 1600 pF/km$
 NVP : $77 \% \pm 3$
 Max. Delay Skew : $\leq 25 nS/ 100m$
 Voltage Rating EN 50525-1 : 125V
 Test Voltage : 1kV

Physical Characteristics

Overall Diameter : $7.9 \pm 0.3mm$
 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	$\leq dB$
Return Loss	34	30	27	20	18	17	16	15	$\geq dB$
NEXT	75	66	60	45	41	39	36	35	$\geq dB$
PS NEXT	72	63	57	42	38	36	33	32	$\geq dB$
ACRF	68	56	48	28	22	20	16	14	$\geq dB$
PS-ACRF	65	53	45	25	19	17	13	11	$\geq dB$

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	