

Part No: C6T3UH04305-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 : 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 3.0 Specification Standard : Tested & Approved by HDBaseT Alliance	

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