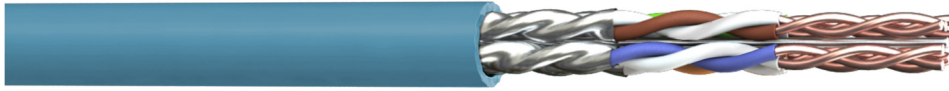


Part No: C6TGUFH01-B204

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
 Overall 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 | |