

Part No: C6GFFH-B204
Description: The TruLAN Cat 6A F/FTP cable in Low Smoke Halogen Free (LSHF) is 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
Number of Pairs : 4
Pair Identification : Blue/White, Orange/White,
 : Green/White, Brown/White
Individual Screen : Aluminium Foil, Each Pair (100% Coverage)
Drain Wire : 0.40mm, Tinned Copper
Overall Screen : Aluminium Foil (100% Coverage)
Sheath Material : Low Smoke Halogen Free (LSHF)
Sheath Colour : Blue

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

Physical Characteristics

Overall Diameter : 7.5 ± 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 : 69 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)	