

**Part No:** C6GUUH-B204  
**Description:** The TruLAN Cat 6A U/UTP 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 : Polyethylene (PE)  
 Number of Pairs : 4  
 Pair Identification : Blue, Blue/White; Orange, Orange/White  
 : Green, Green/White; Brown, Brown/White  
 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 %  
 Nominal Impedance (1-100MHz) : 100 ± 15 Ω  
 Mutual Capacitance : ≤ 56 pF/m  
 Capacitance Unbalanced to Earth : ≤ 1600 pF/km  
 NVP : 77 % ± 3  
 Max. Delay Skew : ≤ 45 nS/ 100m  
 Voltage Rating : 125 V  
 Test Voltage : 1kV

### Physical Characteristics

Overall Diameter : 6.7 ± 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 : 58 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)	