

Part No: C7GHR08-B204
Description: The TruLan Cat 7A S/FTP cable is the ideal choice for high speed data networks across a home, building or data centre.



Construction

Conductor : Bare Copper
AWG : 22(1)
Insulation Material : Skin-Foam-Skin (SFS)
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 : Tinned Copper Wire Braid (30% Coverage)
Sheath Material : Low Smoke Halogen Free (LSHF)
Sheath Colour : Orange



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/km
Capacitance Unbalanced to Earth : ≤ 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 ± 0.2mm
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 : 74 kg/km

Transmission Performance

Frequency	1	4	10	100	250	500	600	700	800	900	1000	MHz
Attenuation	2.0	3.7	5.9	19.0	31.0	45.3	50.1	54.6	58.9	63.0	66.9	≤dB
Return Loss	34	30	27	20	17	15	15	17	16	16	15	≥dB
NEXT	75	66	60	45	39	35	34	33	32	31	30	≥dB
PS NEXT	72	63	57	42	36	32	31	30	29	28	27	≥dB
ACRF	68	56	48	28	20	14	12	11	10	9	8	≥dB
PS-ACRF	65	53	45	25	17	11	9	8	7	6	5	≥dB

Standards

Flame Retardant : BS EN 60332-1-2, BS EN 60332-3-22A	Low Smoke Generation : BS EN 61034-2
Halogen Gas Emission : BS EN 60754-1&2	Manufactured in accordance to : ISO/IEC 11801 Class Fa, EN 50288-4-1, ISO/IEC 61156-5
RoHS3 Compliance : Yes	UV & Weather Resistance : ISO 4892-3
CE Compliant : LVD (2014/35/EU), CPR (305/2011)	CPR Classification : B2ca s1a, d1, a1 (EN50575:2014+A1:2016)

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