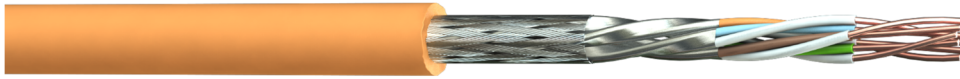


Part No: C7GHR08-B222
Description: The TruLan Cat 7A S/FTP cable is the ideal choice for high speed data networks across a home, building or data centre.



Construction

Conductor : Bare Copper
AWG : 23(1)
Insulation Material : Skin-Foam-Skin Polyethylene (SFS PE)
Number of Pairs : 4
Pair Identification : Blue/White, Orange/White,
 : Green/White, Brown/White
Individual Screen : Aluminium Foil, Each Pair (100% Coverage)
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 : ≤ 9.38 Ω/100m
Max. Resistance Unbalanced : ≤ 2.0 %
Nominal Impedance (1-100MHz) : 100 ± 15 Ω
(100-250MHz) : 100 ± 18 Ω
(250-1000MHz) : 100 ± 25 Ω
Mutual Capacitance : ≤ 5.6nF/100m
Capacitance Unbalanced to Earth : ≤ 330 pF/ 100m
Max. Delay Skew : ≤ 25 nS/ 100m
Voltage Rating EN 50525-1 : 450/750V*
Test Voltage : 2.5kV (AC)
 *Suitable for installation where Band II 450/750v cables are present. Not suitable for connection to mains supply

Physical Characteristics

Overall Diameter : 7.6 ± 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 : 68 kg/km

Transmission Performance

Frequency	1	4	10	100	250	500	600	1000	MHz
Attenuation	1.9	3.8	5.9	19.0	31.0	41.0	50.1	67.0	≤ dB
Return Loss	20.0	23.0	25.0	20.1	17.3	17.3	17.3	13.1	≥ dB
NEXT	78.0	78.0	78.0	78.0	66.4	62.3	60.7	57.3	≥ dB
PS NEXT	75.0	75.0	75.0	69.4	63.4	59.1	57.7	54.4	≥ dB
ELFEXT	78.0	78.0	74.0	54.0	46.0	40.2	38.4	34.0	≥ dB
PSELFEXT	75.0	75.0	71.0	51.0	43.0	36.8	35.4	31.0	≥ 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 CPR Classification : Cat 7/Class F to IEC 61156-5
RoHS3 Compliance : Yes	BS EN 50575:2014+A1:2016 : B2ca s1, d1, a1
CE Compliant : LVD (2014/35/EU), CPR (305/2011)	