

Part No: C7HR08-B204
Description: The TruLan Cat 7 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 (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 : $\leq 9.5 \Omega/100m$
 Max. Resistance Unbalanced : $\leq 2.0 \%$
 Nominal Impedance (1-100MHz) : $100 \pm 5 \Omega$
 Mutual Capacitance : $\leq 56 pF/km$
 Capacitance Unbalanced to Earth : $\leq 1600 pF/km$
 NVP : $77 \% \pm 3$
 Max. Delay Skew : $\leq 25 ns/ 100m$
 Voltage Rating EN 50525-1 : 125V
 Test Voltage : 1kV

Physical Characteristics

Overall Diameter : $7.5 \pm 0.2mm$
 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 : 70 kg/km

Transmission Performance

Frequency	1	4	10	100	250	500	600	MHz
Attenuation	2.0	3.7	5.9	19.0	31.0	45.3	50.1	$\leq dB$
Return Loss	34	30	27	20	17	15	15	$\geq dB$
NEXT	75	66	60	45	39	35	34	$\geq dB$
PS NEXT	72	63	57	42	36	32	31	$\geq dB$
ACRF	68	56	48	28	20	14	12	$\geq dB$
PS-ACRF	65	53	45	25	17	11	9	$\geq dB$

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 : ISO/IEC 11801 Class F, 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)	