

Part No: C6HR03-B204
Description: The TruLan Cat 6 U/UTP cable is the ideal choice for high speed data networks across a home or building.




Construction

Conductor : Bare Copper
AWG : 23(1)
Insulation Material : High Density Polyethylene (HDPE)
Number of Pairs : 4
Pair Identification : Blue, Blue/White; Orange, Orange/White
 : Green, Green/White; Brown, Brown/White
Outer Sheath Material : Low Smoke Halogen Free (LSHF)
Outer Sheath Colour : Red

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 : $\leq 5.6 pF/m$
Capacitance Unbalanced : $\leq 1600 pF/km$
NVP : $68.5 \% \pm 2$
Max. Delay Skew : $\leq 45 nS/ 100m$
Voltage Rating EN 50525-1 : 125V
Test Voltage : 1kV

Physical Characteristics

Overall Diameter : $6.2 \pm 0.3mm$
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 : 48 kg/km

Transmission Performance

Frequency	1	4	10	100	200	250	MHz
Attenuation	2.1	3.8	6.0	19.9	29.1	33.0	$\leq dB$
Return Loss	34	30	27	20	18	17	$\geq dB$
NEXT	75	66	60	45	41	39	$\geq dB$
PS NEXT	72	63	57	42	38	36	$\geq dB$
ACRF	68	56	48	28	22	20	$\geq dB$
PS-ACRF	65	53	45	25	19	17	$\geq dB$

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 : TIA/EIA 568-C.2, ISO/IEC 11801 Class E,
RoHS3 Compliance : Yes	EN 50288-6-1, ISO/IEC 61156-5
CE Compliant : LVD (2014/35/EU), CPR (305/2011)	CPR Classification : B2ca s1a, d1, a1 (EN50575:2014+A1:2016)