

Part Number: 110401C-LSOH-VLT
Description: WEBNET Cat 5E U/UTP 4pair Low
 Smoke Non-Halogen (LSNH) Violet



Product Construction

Conductor Material : Bare Copper, Solid
 Insulation Material : High Density Polyethylene (HDPE)
 Number of Pairs : 4
 Pair Colours : Blue, Blue/White; Orange, Orange/White,
 Green, Green/White; Brown, Brown/White
 Sheath Material : Low Smoke Non-Halogen (LSNH)
 Sheath Colour : Violet



Mechanical Characteristics

Overall Diameter : 5.0mm ± 0.20mm
 Temperature Range : Fixed -10°C to +60°C Flexing 0°C to +50°C
 Bend Radius : Fixed 4 x Overall Diameter Flexing 8 x Overall Diameter
 Weight : 32 kg/km

Electrical Characteristics

Max. Conductor DC Resistance : ≤ 9.5 Ω/km @ 20°C
 Max. Resistance Unbalanced : < 2%
 Max. Insulation Resistance : > 5000 MΩ x m
 Mutual Capacitance : < 5.6 nF/100m
 Capacitance Unbalanced, Pair to Earth : ≤ 330 pF/100m
 Impedance @ 100 MHz : 100 Ω ± 15
 Velocity of Propagation : 65 %
 Delay Skew : < 45 ns / 100m
 Dielectric Strength - DC : 1kV for 1minute

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PS - NEXT (dB)	ACRF (dB)	PS-ACRF (dB)	Return Loss (dB)
1	≤ 2.0	≥ 65.3	≥ 62.3	≥ 63.8	≥ 60.8	20.0
4	≤ 4.1	≥ 56.3	≥ 55.3	≥ 51.8	≥ 48.8	23.0
8	≤ 5.8	≥ 51.8	≥ 48.8	≥ 45.7	≥ 42.7	24.5
10	≤ 6.5	≥ 50.3	≥ 47.3	≥ 43.8	≥ 40.8	25.0
16	≤ 8.2	≥ 47.2	≥ 44.2	≥ 39.7	≥ 36.7	25.0
20	≤ 9.3	≥ 45.8	≥ 42.8	≥ 37.8	≥ 34.8	25.0
25	≤ 10.4	≥ 44.3	≥ 41.3	≥ 35.8	≥ 32.8	24.3
31.25	≤ 11.7	≥ 42.9	≥ 39.9	≥ 33.9	≥ 30.9	23.6
62.5	≤ 17.0	≥ 38.4	≥ 35.4	≥ 27.9	≥ 24.9	21.5
100	≤ 22.0	≥ 35.3	≥ 32.3	≥ 23.8	≥ 20.8	20.1

Performance @ 20°

Certifications & Standards

Flame Retardancy : BS EN 60332-1-2 Certification : HDBaseT
 Low Smoke : BS EN 61034-2 RoHS 3 Compliant : Yes
 Halogen Gas : BS EN 60754-1&2 REACH Compliant : Yes
 Manufactured in Accordance to : TIA/EIA 568-C.2, IEC 11801 Class D, EN 50288-2-1, ISO/IEC 61156-5, EN 50173-1
 CPR Classification : Cca s1a, d1, a1 to EN 50575:2014+A1:2016



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