

Part Number: 120511C-LSNH-BLU
Description: WEBNET Cat 6 U/UTP 23awg 4pair
 Low Smoke Non-Halogen (LSNH) Blue



Product Construction

Conductor Material : Bare Copper
 Conductor Size : Solid, 23(1)awg
 Insulation Material : High Density Polyethylene (HDPE)
 Number of Pairs : 4
 Pair Colours : Blue, Blue/White; Orange, Orange/White, Green, Green/White; Brown, Brown/White
 Drain Wire : Tinned Copper, 1/0.4mm
 Screening 1 : Overall Aluminium Foil with 100% coverage
 Sheath Material : Low Smoke Non-Halogen (LSNH)
 Sheath Colour : Blue



Mechanical Characteristics

Overall Diameter : 7.2mm ± 0.20mm
 Temperature Range Fixed : -20°C to +70°C
 Flexing : 0°C to +50°C
 Bend Radius Fixed : 4 x Overall Diameter
 Flexing : 8 x Overall Diameter
 Weight : 65 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 : < 60 pF/m
 Capacitance Unbalanced : 1600 pF/km
 Impedance @ 100 MHz : 100 Ω ± 5
 Velocity of Propagation : 66 %
 Delay Skew : < 45 ns / 100m
 Voltage Rating : 125V

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PS - NEXT (dB)	ACR (dB)	PS - ACR (dB)	ACRF (dB)	PS-ACRF (dB)	Return Loss (dB)
1	≤ 2.0	≥ 83	≥ 80	≥ 85	≥ 82	≥ 83	≥ 80	25
4	≤ 3.6	≥ 73	≥ 70	≥ 70	≥ 67	≥ 70	≥ 67	31
10	≤ 6.0	≥ 73	≥ 70	≥ 65	≥ 62	≥ 60	≥ 57	30
100	≤ 19.5	≥ 55	≥ 52	≥ 40	≥ 37	≥ 35	≥ 32	25
200	≤ 28.5	≥ 50	≥ 47	≥ 25	≥ 22	≥ 30	≥ 27	22
250	≤ 32.0	≥ 45	≥ 42	≥ 25	≥ 22	≥ 22	≥ 19	22

Performance @ 20°C

Certifications & Standards

Flame Retardancy : BS EN 60332-1-2 : RoHS 3 Compliant : Yes
 Low Smoke : BS EN 61034-2 : REACH Compliant : Yes
 Halogen Gas : BS EN 60754-1&2
 Manufactured in Accordance to : TIA/EIA 568-C.2, IEC 11801 Class E, EN 50288-6-1, ISO/IEC 61156-5, EN 50173-1
 CE CPR Classification : Cca s1a, d1, a1 to EN 50575:2014+A1:2016



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