



Part Number: 120551C-LSNH-BLU

Description: WEBNET Cat 6A 23awg 4pair U/UTP Low Smoke Non-Halogen (LSNH) Blue

Product Construction

Conductor Material	:	Bare Copper, Solid
Conductor Size	:	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
Sheath Material	:	Low Smoke Non-Halogen (LSNH)
Sheath Colour	:	Blue



Mechanical Characteristics

Overall Diameter	:	6.2mm ± 0.2mm		
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	:	50 kg/km		

Electrical Characteristics

Max. Conductor DC Resistance @ 20°C	:	≤ 9.5 Ω/km
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/100m)	PS – ACR (dB/100)	ACRF (dB/100m)	PS-ACRF (dB/100m)	Return Loss (dB)
1	2.0	95	92	90	87	100	97	25
4	3.6	95	92	90	87	100	97	25
10	5.4	95	92	85	82	90	87	28
100	18.3	87	84	75	72	75	72	25
200	25.0	87	84	75	72	70	67	25
250	29.1	85	82	52	49	65	62	23
400	37.4	75	72	41	48	55	52	23
500	41.5	75	72	30	27	55	52	21

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 Ea, EN 50288-4-1, ISO/IEC 61156-5, EN 50173-1			
CPR Classification	:	Cca s1a, d1, a1 to EN 50575:2014+A1:2016			



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