

# TECHNICAL DATA SHEET



## Outdoor Cat5e Cable

**Model: CB19507**

Part Number	CB19507
Name of Cable	LAN Cable
<b>Design of cable:</b>	
Inner Conductor	Single bare copper $\varnothing 0.51 \pm 0.005\text{mm}$
Insulation	HDPE
Size of Insulation	$\varnothing 1.05 \pm 0.05\text{mm}$
Core Colour	White-Blue / White-Orange / White-Green / White-Brown
Drain Wire	Single tinned copper $\varnothing 0.38 \pm 0.005\text{mm}$
Jacket	LSOH
Colour	Purple
Size	$\varnothing 6.3 \pm 0.2\text{mm}$
Wall Thickness	$\approx 0.7\text{mm}$
Printing	CAT5E FTP LAN CABLE SOLID 4 PAIR meter marking
<b>Electrical Data at 20°C:</b>	
Conductor Resistance	$\leq 93.8\Omega/\text{km}$
Insulation Resistance	$\geq 5000\text{M}\Omega \cdot \text{km}$
Testing Voltage	Wire/wire 50Hz 1min=1.5kV
<b>Other Requirements:</b>	
Permissible Temperature	-10°C to +75°C
Packing	305m/CN

Frequency	Impedance	RL	ATT	NEXT	ELFEXT	PSNEXT	PSELFEXT	SKW	NVP
MHz	Ohm	$\geq \text{dB}/100\text{M}$	$\leq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\leq \text{ns}/100\text{M}$	%
1	100 ± 15	20.0	2.04	65.3	63.8	62.3	60.8	≤45	66%
4		23.0	4.1	56.3	51.7	53.3	48.7		
10		25.0	6.5	50.3	43.8	47.3	40.8		
16		25.0	8.2	47.3	39.7	44.3	36.7		
20		25.0	9.3	44.5	37.7	42.8	34.7		
31.25		23.6	11.6	42.9	33.9	39.9	30.9		
62.5		21.5	17.0	38.4	27.8	35.4	24.8		
100		20.1	22.0	35.3	23.8	32.3	20.8		

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