

# TECHNICAL DATA SHEET



## Outdoor Cat6 Cable

Model: CB19509

Part Number	CB19509
Name of Cable	LAN Cable
<b>Design of cable:</b>	
Inner Conductor	Single bare copper $\varnothing 0.57 \pm 0.01\text{mm}$
Insulation	HDPE
Size of Insulation	$\varnothing 1.16 \pm 0.05\text{mm}$
Core Colour	White-Blue / White-Orange / White-Green / White-Brown
Drain Wire	Single bare copper $\varnothing 0.57 \pm 0.01\text{mm}$
Jacket	PE
Colour	Black
Size	$\varnothing 7.2 \pm 0.2\text{mm}$
Wall Thickness	$\approx 0.6\text{mm}$
Printing	CAT6 FTP LAN CABLE SOLID 4 PAIRS meter marking
<b>Electrical Data at 20°C:</b>	
Conductor Resistance	$\leq 70\Omega/\text{km}$
Insulation Resistance	$\geq 5000\text{M}\Omega \cdot \text{km}$
Testing Voltage	Wire/wire 50Hz 1min=1.5kV
<b>Other Requirements:</b>	
Permissible Temperature	-15°C to +70°C
Packing	305m/Reel

Frequency	Impedance	RL	ATT	NEXT	ELFEXT	PSNEXT	PSELFEXT	SKW	NVP
MHz	Ohm	$\geq \text{dB}/100\text{M}$	$\leq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\geq$	$\geq \text{dB}/100\text{M}$	$\leq \text{ns}/100\text{M}$	%
1	100 ± 15	20.0	2.1	74.3	68.0	72.3	65.0	≤45	66%
4		23.0	3.7	65.0	56.0	63.3	53.0		
8		24.5	5.3	60.7	49.9	48.8	46.9		
10		25.0	5.9	59.0	48.0	57.3	45.0		
16		25.0	7.5	56.0	43.9	54.2	40.9		
20		25.0	8.4	55.0	42.0	52.8	39.0		
25	100 ± 20	24.3	9.5	53.3	40.0	41.3	37.0		
31.25		23.6	10.6	52.0	38.1	49.9	35.1		
62.5		21.5	15.4	47.0	32.1	45.4	29.1		
100		20.1	19.8	44.0	28.0	42.3	25.0		
200		18.0	29.0	40.0	22.0	37.8	19.0		
250		17.3	32.8	38.3	20.0	36.3	17.0		

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