

TECHNICAL DATA SHEET



LAN Cable Model: CB17471

RoHS
Compliant

Design of cable:	
Inner conductor	Single bare copper 0.58mm dia ± 0.005 mm
Insulation / Dia	Foamed PE - 1.45mm dia ± 0.05 mm
Core colours	WH/BU WH/OG WH/GN WH/BN
Braiding	16x5/0.11 ± 0.003 mm tinned copper
Jacket/colour	LSOH / Grey
Size	7.8mm dia ± 0.2 mm
Wall thickness	≈ 0.6 mm
Printing	By request
Electric data at 20°C	
Conductor resistance	<70 Ω /km
Insulation resistance	>5000M Ω *km
Testing voltage	wire/wire 50Hz 1min=1.5KV
Impedance	100 Ω $\pm 15\Omega$
Packing	10m roll
Temperature range	-10°C ~ 75°C

Frequency	Impedance	RL	ATT	NEXT	ELFEXT	PSNEXT	PSELFEXT	SKW	NVP
Mhz	ohm	\geq dB/100M	\leq dB/100M	\leq dB/100M	\leq dB/100M	\leq dB/100M	\leq dB/100M	\leq ns/100M	
4	100 ± 15	23.01	3.74	78	75	81.36	78.36	≤ 25	70%
8		24.52	5.24	78	75	75.04	72.04		
10		25	5.86	78	75	73	70		
16		25	7.41	78	75	68.71	65.71		
20		25	8.29	78	75	66.68	63.68		
25		24.32	9.29	78	75	64.64	61.64		
31.25		23.64	10.41	78	75	62.61	59.61		
62.5		21.54	14.88	75.46	72.46	56.29	53.29		
100	100 ± 22	20.11	19.02	72.4	69.4	52	49		
150		18.87	23.56	69.76	66.76	48.3	45.3		
200		18	27.47	67.88	64.88	45.68	42.68		
250	100 ± 25	17.32	30.97	66.43	63.43	43.64	40.64		
300		16.77	34.19	65.24	62.24	41.98	38.98		
350		16.3	37.19	64.24	61.24	40.57	37.57		
600		14.66	50.1	60.73	57.73	35.66	32.66		

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