

TECHNICAL DATA SHEET



LAN Cable Model: CBBR7493

RoHS
Compliant

Design of cable:	
Inner conductor	Single bare copper $\varnothing 0.511 \pm 0.005 \text{mm}$
Insulation	HDPE
Insulation Dia	$\varnothing 1.05 \pm 0.05 \text{mm}$
Drain wire	Single Tinned Copper $\varnothing 0.38 \pm 0.005 \text{mm}$
Core colours	WH-BU/BU WH-OG/OG WH-GN/GN WH-BN/BN
Jacket	PVC
Colour	Light grey
Size	$\varnothing 6.3 \pm 0.2 \text{mm}$
Wall thickness	$\approx 0.6 \text{mm}$
Printing	By request
Electric data at 20°C	
Conductor resistance	$< 95.8 \Omega / \text{km}$
Insulation resistance	$> 5000 \text{M}\Omega / \text{km}$
Testing voltage	wire/wire 50Hz 1min=1.5KV
Packing	305M/CTN
Temperature range	$-10^\circ \text{C} \sim 60^\circ \text{C}$

Frequency Mhz	Impedance ohm	RL $\geq \text{dB}/100\text{M}$	ATT $\geq \text{dB}/100\text{M}$	NEXT $\geq \text{dB}/100\text{M}$	ELFEXT $\geq \text{dB}/100\text{M}$	PSNEXT $\geq \text{dB}/100\text{M}$	PSELFEXT $\geq \text{dB}/100\text{M}$	SKW $\leq \text{ns}/100\text{M}$	NVP
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		

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