

# TECHNICAL DATA SHEET

**PRO-POWER**

## LAN Cable Model: CB15101

**RoHS  
Compliant**

<b>Design of cable:</b>	
<b>Inner conductor</b>	Single bare copper Ø0.573 ±0.005mm
<b>Insulation</b>	Foamed PE
<b>Insulation Dia</b>	Ø1.45 ±0.05mm
<b>Core colours</b>	WH-BU WH-OG WH-GN WH-BN
<b>Braiding</b>	16X5/0.11 ±0.003mm Tinned copper
<b>Jacket</b>	LSOH
<b>Colour</b>	Light Grey
<b>Size</b>	Ø7.8 ±0.2mm
<b>Wall thickness</b>	≈0.6mm
<b>Printing</b>	CAT7 STP LAN CABLE LSZH Meter Marking
<b>Electric data at 20°C</b>	
<b>Conductor resistance</b>	≤70.0 Ohm/km
<b>Insulation resistance</b>	≤5000M ohm*km
<b>Testing voltage</b>	wire/wire 50Hz 1min=1.5KV
<b>Permissible temperature</b>	-10°C~75°C

Frequency	Impedance	RL	ATT	NEXT	ELFEXT	PSNEXT	PSELFEXT	SKW	NVP
Mhz	ohm	≥dB/100M	≤dB/100M	≤dB/100M	≥dB/100M	≥dB/100M	≥dB/100M	≤ns/100M	
4	10 0±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	20.11	19.02	72.4	69.4	52	49			
150	100±22	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		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	100±25	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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