

# TECHNICAL DATA SHEET

**PRO-POWER**

## LAN Cable Model: CB19184

**RoHS  
Compliant**

<b>Design of cable:</b>	
<b>Inner conductor</b>	Single bare copper $\varnothing 0.483 \pm 0.005 \text{mm}$
<b>Insulation</b>	HDPE
<b>Insulation Dia</b>	$\varnothing 0.87 \pm 0.05 \text{mm}$
<b>Core colours</b>	White-Blue/Blue White-Orange/Orange White-Green/Green White-Brown/Brown
<b>Braiding</b>	16X5/0.11 $\pm 0.003 \text{mm}$ Tinned copper
<b>Jacket</b>	PVC
<b>Colour</b>	Grey RAL7032
<b>Size</b>	$\varnothing 4.8 \pm 0.2 \text{mm}$
<b>Wall thickness</b>	$\approx 0.5 \text{mm}$
<b>Printing</b>	By request
<b>Electric data at 20°C</b>	
<b>Conductor resistance</b>	$\leq 110.0 \text{ Ohm/km}$
<b>Insulation resistance</b>	$\leq 5000 \text{M ohm} \cdot \text{km}$
<b>Testing voltage</b>	wire/wire 50Hz 1min=1.5KV
<b>Permissible temperature</b>	$-10^{\circ}\text{C} \sim 75^{\circ}\text{C}$

Frequency	Impedance	RL	ATT	NEXT	ELFEXT	PSNEXT	PSELFEXT	SKW	NVP
Mhz	ohm	$\geq \text{dB}/100\text{M}$	$\leq \text{dB}/100\text{M}$	$\leq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\leq \text{ns}/100\text{M}$	
1	100 $\pm$ 15	20.0	2.04	65.3	63.8	62.3	60.8	$\leq 45$	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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