

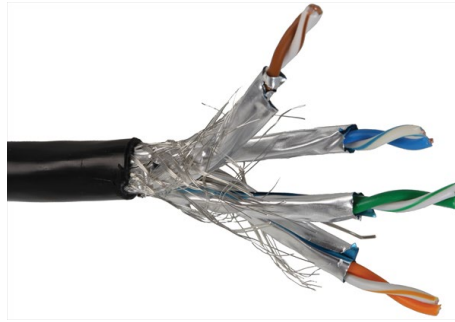
TECHNICAL DATA SHEET

PRO-POWER

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CAT7 S/FTP NETWORK CABLE

MODELS: PPB0025-PPB0026



Name of cable:

LAN cable

Cable design:

Inner conductor: Single bare copper, $\text{Ø}0.575 \pm 0.005\text{mm}$
Insulation: Foamed PE
Size of insulation: $\text{Ø}1.35 \pm 0.05\text{mm}$
Colour: white/blue, white/orange, white/green, white/brown
Two wires twisted to one pair
Aluminium foil overlapped with each pair
Four pairs twisted
Braiding: $16 \times 5 / 0.10 \pm 0.003\text{mm}$ tinned copper
Jacket: PE
Colour: black
Size: $\text{Ø}7.8 \pm 0.2\text{mm}$
Wall thickness: 0.6mm

Electric data at 20°C

Conductor resistance: $\leq 75.8\Omega/\text{KM}$
Insulation resistance: $\geq 5,000\text{M}\Omega/\text{km}$
Testing voltage: 50Hz, 1 min (wire/wire, 50Hz, 1 min) = 1.5kV

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Electrical data:

Freq. MHz	Impedance Ohms	RL ≥dB/100m	ATT ≤dB/100m	NEXT ≥dB/100m	ELFEXT ≥dB/100m	PSNELFEXT ≥dB/100m	PSELF ≥dB/100m	SKW ≤ns/100m	NVP
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		
62.50		21.54	14.88	75.46	75.46	56.29	53.29		
100		20.11	19.02	72.40	69.40	52	49		
150		100±22	18.87	23.56	69.76	66.76	48.30		
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	100±25	16.77	34.19	65.24	62.24	41.98	38.98		
350		16.30	37.19	64.24	61.24	40.57	37.57		
600		14.66	50.10	60.73	57.73	35.66	32.66		

Other data:

Permissible temperature: -10°C to +75°C

Length	Colour	Code
305m	Black	PPB0025
100m		PPB0026

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