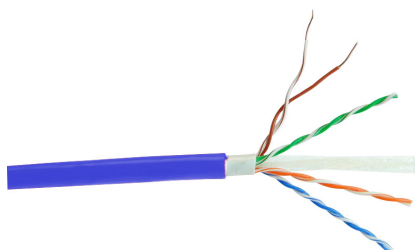


# CAT6 Unshielded Cable

pro-POWER

RoHS  
Compliant



## Specifications:

### Designed of cable

Inner conductor	: Single Bare Copper (0.553mm ±0.005mm)
Insulation	: HDPE
Insulation Dia	: 1mm ±0.05mm
Core colour	: White-Blue; White-Orange; White-Green & White-Brown
Drain Wire	: 0.4 ±0.01mm Tinned Copper
Jacket Material	: PVC
Colour	: Blue
Size	: 6.3mm ±0.2mm
Wall thickness	: 0.6mm

### Electric data at 20°C

Conductor resistance	: ≤70Ω/kM
Insulation resistance	: ≥5,000M Ω × kM
Testing voltage	: wire/wire 50Hz 1min=1.5kV
Permissible temperature	: -10°C to 60°C

### Other Electric data:

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	
1	100 ±15	20	2.03	74.3	68	72.3	65	≤45	66%
4		23	3.7	65	56	63.3	53		
8		24.5	5.3	60.7	49.9	48.8	46.9		
10		25	5.9	59	48	57.3	45		
16		25	7.5	56	43.9	54.2	40.9		
20		25	8.4	55	42	52.8	39		
25		24.3	9.5	53.3	40	41.3	37		
31.25		23.6	10.6	52	38.1	49.9	35.1		
62.5		21.5	15.4	47	32.1	45.4	29.1		
100		20.1	19.8	44	28	42.3	25		
200	100 ±20	18	29	40	22	37.8	19		
250		17.3	32.8	38.3	20	36.3	17		

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## Part Number Table

Description	Part Number
CAT 6 Blue Cable, 305m	CAT6 BLUE 305M

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