TECHNICAL DATA SHEET

LAN Cable

RoHS Compliant

Design of cable:	
Inner conductor	Single bare copper Ø0.57±0.01mm
Insulation	HDPE
Insulation Dia	Ø1.02±0.05mm
Thickness	≈0.6 mm
Colour	WH-BU/BU WH-OG/OGWH-GN /GN WH-BN /BN
Jacket	PVC
Colour	Light Grey
Size	6.8mm dia ±0.2mm
Wall thickness	≈0.8mm
Printing	CAT6A LAN CABLE UTP 4PAIRS Meter Marking
Electric data at 20°C	
Conductor resistance	<70.0Ω/km
Insulation resistance	>5000MΩ/km
Testing voltage	wire/wire 50Hz 1min=1.5KV
Impedance	75 ±3Ω @200MHz
Packing	100meters on non returnable reel
Temperature range	-10°C ~ 60°C

Other Data:

Freq	Impedance	RL	ATT	NEXT	ELFEXT	PSNEXT	PSELFEXT	SKW	NVP
MHz	9ohm	≥dB/100M	≤dB/100M	≥dB/100M	≥dB/100M	≥dB/100M	≥dB/100M	≤ns/100M	≤ns/100M
1	100±15	20.0	1.9	74.3	68/0	72.3	65.0	≤45	66%
4		23.0	2.7	65.0	56.0	63.3	53.0		
8		24.5	5.3	60.7	49.9	48.8	46.9		
10		25.0	5.9	59.0	48.0	57.3	45.0		
16		25.0	7.5	56.0	43.9	54.2	40.9		
20		25.0	8.4	55.0	42.0	52.8	39.0		
25		24.3	9.5	53.3	40.0	41.3	37.0		
31.25		23.6	10.6	52.0	38.1	49.9	35.1		
62.5		21.5	15.4	47.0	32.1	45.4	29.1		
100		20.1	19.8	44.0	28.0	42.3	25.0		
200		18.0	29.0	40.0	22.0	37.8	19.0		
250		17.3	32.8	38.3	20.0	36.3	17.0		
300	100±22	16.8	36.4	37.1	18.5	34.1	15.5		
500		15.2	48.9	33.8	14.	30.8	11.0		