

# REGAL WEALTH ENGINEERING LIMITED

ADD: SUZHOU REPRESENTATIVE OFFICE, 0203A1 1A SINGA PLAZA JINJIHU ROAD SUZHOU INDUSTRIAL PARK, P.R.CHINA

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## Technical Data Sheet

Mode Number: Cat5e UTP CB19184

File Number: 2014-07-10-01

1. Name of cable: LAN Cable
2. P/N: Cat5e UTP CB19184
3. Designed of cable:
- 3.1 Inner conductor: Single Bare Copper  $\varnothing 0.483\pm 0.005\text{mm}$
- 3.2 Insulation : HDPE
- 3.3 Size of Insulation:  $\varnothing 0.87\pm 0.05\text{mm}$
- 3.4 Color: White-Blue/Blue White-Orange/Orange White-Green/Green White-Brown/Brown
- 3.5 Two wires twisted to a pair:
- 3.6 Four pairs twisted to a qual :
- 3.7 Rip wire:
4. Jacket: PVC
- 4.1 Colour: Grey RAL7032
- 4.2 Size:  $\varnothing 4.8\pm 0.2\text{mm}$
- 4.3 Wall thickness:  $\approx 0.50\text{mm}$
- 4.4 Printing : By request bargain
5. Electric data at 20°C:
- 5.1 Conductor resistance:  $\leq 110.0 \Omega/\text{km}$
- 5.2 Insulation resistance):  $\geq 5000\text{M ohm}\cdot\text{km}$
- 5.3 Testing voltage: wire/wire 50Hz1min=1.5KV
- 5.4 Other Electric data:

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

### 6. Other requirement:

6.1 Permissible temperature: -10°C----60°C

6.2 Packing: 305M/CN

6.3 Test standard: This Technical Data Sheet