

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: CB14891

File Number: 2013-01-19-01

1. Name of cable: LAN Cable

2. P/N: CB14891

3. Designed of cable:

3.1 Inner conductor: Single bare copper $\varnothing 0.57 \pm 0.01 \text{mm}$

3.2 Insulation: HDPE

3.3 Size of Insulation: $\varnothing 1.03 \pm 0.05 \text{mm}$

3.4 Core color: WH-BU /BU WH-OG/OG
WH-GN /GN WH-BN /BN

3.5 Two wires twisted to one pair:

3.6 Four pairs twisted to a qual :

3.7 PE filler:

3.8 Rip wire:

4. Jacket: LSOH

4.1 Color: Purple RAL4005

4.2 Size: $\varnothing 6.5 \pm 0.2 \text{mm}$

4.3 Wall thickness: $\approx 0.6 \text{mm}$

4.4 Printing: By request bargain

5. Electric data at 20℃:

5.1 Conductor resistance: $\leq 70 \text{ Ohm/KM}$

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	2.03	74.3	68.0	72.3	65.0	≤45	66%
4		23.0	3.7	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	100±20	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		

6. Other requirement:

6.1 Permissible temperature: -10℃----60℃

6.4 Packing: 305M/CN

6.5 Test standard: This Technical Data Sheet

**Designed by Regal Wealth Engineering Ltd
2013-01-19**