

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: NETWORKING CABLECCA

File Number: 2015-03-22-01

1. Name of cable: LAN Cable
 2. P/N: NETWORKING CABLECCA
 3. Designed of cable:
 3.1 Inner conductor: Single CCA $\varnothing 0.51\pm 0.01\text{mm}$
 3.2 Insulation: HDPE
 3.3 Size of Insulation: $\varnothing 0.93\pm 0.05\text{mm}$
 3.4 Core colour: 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 Rip wire:

4. Jacket: PVC

4.1 Colour:

4.2 Size: $\varnothing 5.2\pm 0.2\text{mm}$

4.3 Wall thickness: $\approx 0.5\text{mm}$

4.4 Printing: NETWORKING CABLE CCA meter marking

5. Electric data at 20°C:

5.1 Conductor resistance: $\leq 145 \text{ Ohm/KM}$

5.2 Insulation resistance: $\geq 5000\text{M ohm*KM}$

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		

These Electric data are subject to Max. 80 meters cable

6. Other requirement:

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

6.4 Packing: 305M/CTN

6.5 Test standard: This Technical Data Sheet

Designed by Regal Wealth Engineering Ltd

2015-3-22