

# 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: C6 CCA 305M

File Number: 2015-06-18-009

1. Name of cable: LAN Cable
2. P/N: CB14647 C6CCA305M
3. Designed of cable:
- 3.1 Inner conductor: Single CCA  $\varnothing 0.57\pm 0.01\text{mm}$
- 3.2 Insulation: HDPE
- 3.3 Size of Insulation:  $\varnothing 1.03\pm 0.05\text{mm}$
- 3.4 Core 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 PE holder:
- 3.8 Rip wire:
4. Jacket: PVC
- 4.1 Colour: Light Grey RAL7032
- 4.2 Size:  $\varnothing 6.5\pm 0.2\text{mm}$
- 4.3 Wall thickness:  $\approx 0.6\text{mm}$
- 4.4 Printing: NEXTWORK CABLE C6CCA meter marking
5. Electric data at 20°C:
- 5.1 Conductor resistance:  $\leq 110 \text{ Ohm/KM}$
- 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	PSNEX T	PSELFEX T	SKW	NV P
Mhz	ohm	$\geq$ dB/100M	$\leq$ dB/100 M	$\geq$ dB/100 M	$\geq$ dB/100 M	$\geq$	$\geq$ dB/100M	$\leq$ ns/100 M	%
1	100±15	20.0	2.1	74.3	68.0	72.3	65.0		
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	100±20	24.3	9.5	53.3	40.0	41.3	37.0	≤45	66 %
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		

These Electric data are subject to Max. 80 meters cable

**6. Other requirement:**

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

**6.4 Packing:** 305M/CTN 44X44X21CM

**6.5 Test standard:** This Technical Data Sheet

Designed by Regal Wealth Engineering Lt

2015-06-18