

# 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: 13956

File Number: 2015-09-15-07

<b>1. Name of cable:</b>	<b>LAN Cable</b>
<b>2. P/N:</b>	
<b>3. Designed of cable:</b>	
<b>3.1 Inner conductor:</b>	<b>Single Bare Copper <math>\varnothing 0.573\pm 0.005\text{mm}</math></b>
<b>3.2 Insulation:</b>	<b>HDPE</b>
<b>3.3 Insulation Dia:</b>	<b><math>\varnothing 1.13\pm 0.05\text{mm}</math></b>
<b>3.4: Core colour:</b>	<b>WH-BU /BU      WH-OG/OG WH-GN /GN      WH-BN /BN</b>
<b>3.5 Two wires twisted to one pair:</b>	
<b>3.6 Four pairs twisted to a qual :</b>	
<b>3.7 Filler:</b>	
<b>3.8 PET Overlapped:</b>	
<b>3.9 Drain Wire:</b>	<b>Single Bare Copper <math>\varnothing 0.573\pm 0.005\text{mm}</math></b>
<b>3.10 AL Foil Overlapped:</b>	
<b>3.11 Rip wire:</b>	
<b>4. Jacket:</b>	<b>PVC</b>
<b>4.1 Colour:</b>	
<b>4.2 Size:</b>	<b><math>\varnothing 7.3\pm 0.2\text{mm}</math></b>
<b>4.3 Wall thickness:</b>	<b><math>\approx 0.7\text{mm}</math></b>
<b>4.4 Printing:</b>	<b>By request bargain</b>
<b>5. Electric data at 20°C:</b>	
<b>5.1 Conductor resistance:</b>	<b><math>\leq 70.0 \Omega/\text{KM}</math></b>
<b>5.2 Insulation resistance:</b>	<b><math>\geq 5000\text{M} \Omega*\text{KM}</math></b>
<b>5.3 Testing voltage:</b>	<b>wire/wire 50Hz1min=1.5KV</b>

#### 5.4 Other Electric data

Frequency	Impedance	RL	ATT	NEXT	ELFEXT	PSNEXT	PSELFEXT	SKW	NVP
Mhz	ohm	≥dB/100M	≤dB/100M	≥dB/100M	≥dB/100M	≥dB/100M	≥dB/100M	≤ns/100M	
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		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		100±20	20.1	19.8	44.0	28.0	42.3		
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°C---60°C

6.2 Packing: 305M/Reel

6.3 Test standard: This Technical Data Sheet

Designed by Regal Wealth Engineering Ltd  
2015-9-15