

REGAL WEALTH ENGINEERING LIMITED

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

TEL: 86-512-62532393

FAX:86-512-62532690

Technical Data Sheet

Mode Number: 14780

File Number: 2015-09-15-10

1. Name of cable:	LAN Cable
2. P/N:	
3. Designed of cable:	
3.1 Inner conductor:	Single Bare Copper $\varnothing 0.573\pm 0.005\text{mm}$
3.2 Insulation:	HDPE
3.3 Insulation Dia:	$\varnothing 1.02\pm 0.05\text{mm}$
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 Filler:	
3.8 Jelly:	
3.9 Rip wire:	
4. First Jacket:	PVC
4.1 Colour:	White
4.2 Size:	$\varnothing 6.8\pm 0.2\text{mm}$
4.3 Wall thickness:	$\approx 0.8\text{mm}$
4.4 Second Jacket:	PE
4.5 Colour:	Black
4.6 Size:	$\varnothing 7.5\pm 0.2\text{mm}$
4.7 Wall thickness:	$\approx 0.3\text{mm}$
4.8 Printing:	By request bargain
5. Electric data at 20°C:	
5.1 Conductor resistance:	$\leq 70.0 \Omega/\text{KM}$
5.2 Insulation resistance:	$\geq 5000\text{M} \Omega*\text{KM}$
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	≥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----75°C

6.2 Packing:

100M/Reel

6.3 Test standard:

This Technical Data Sheet

Designed by Regal Wealth Engineering Ltd

2015-9-15