

## CAT 6 UTP Cable

23AWG UTP CAT6 Cable  
in 305m Smart Reel Box

Models Available:

03JCAT6-BL

03JCAT6-GN


03JCAT6-PR

03JCAT6-RD

03JCAT6-YL



### Features:

- Hills Antenna CAT6 UTP Cable 23AWG.
- The outer sheath is available in 5 different colours.
- Smart Reel Box.  
The Hills Antenna Cable features a reel & frame system within the box that enables the easiest cable pull in the market.
- Centre crosshair spline separating the 4 pairs.  
This helps with crosstalk issues and helps achieve maximum transfer speeds (10Gbps).
- Thicker outer insulator.  
This is particularly important when pulling cables through the wall.  
It allows for better protection for those precious copper conductors when pulling past nails, insulation and hard edges, etc.
- Full copper conductors to S008 Specification.
- Approved cable. 

[www.bitek.com.au](http://www.bitek.com.au)

Available From

National Phone: 1300 601 915  
Email: [orders@bitek.com.au](mailto:orders@bitek.com.au)

Bitek Pty Ltd  
11 Sheppard Street  
Hume  
ACT 2620  
Ph: 02 6260 1874

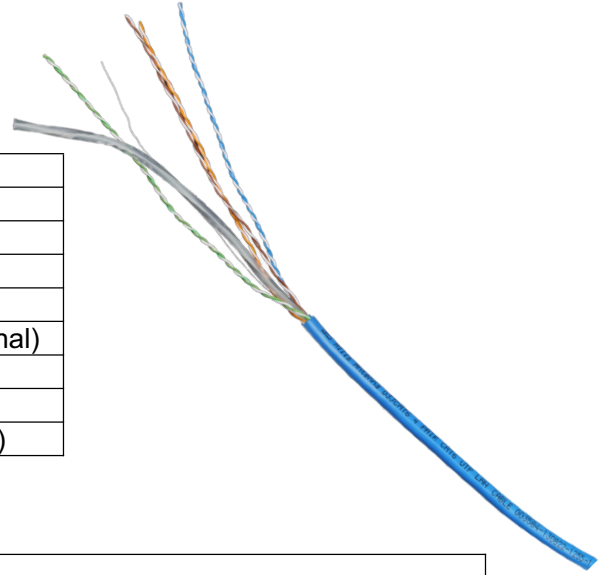
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SA 5013  
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### 1) Construction

<b>Conductor</b>	Nom. Dia.	0.56±0.005mm
	Material	Solid Bare Copper
<b>Insulation</b>	Nom. Dia.	1.0±0.03mm
	Material	HDPE
<b>Filler</b>	Material	PE Cross
	Material	Nylon Ripcord(optional)
<b>Jacket</b>	Nom. O.D.	6.2±0.4mm
	Average Thickness	0.50mm
	Material	PVC(colour optional)

### 2) Electrical Characteristics(@20°C)

<b>1-250MHz Impedance</b>	100±15Ω
<b>1-250MHz Delay Shew</b>	≤45ns/100m
<b>DC Resistance</b>	≤7.38Ω/100m
<b>DC Conductor Resistance Unbalance</b>	≤5%
<b>NVP</b>	69%
<b>Capacitance</b>	≤5.6nF/100m
<b>Insulation Resistance</b>	≥5000M Ω *km

### 3) Technical Performance(@100m)

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	Phrase DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.03	74.3	570.00	72.3	68.0	65.0
4.0	23.0	3.78	65.3	552.00	63.3	56.0	53.0
8.0	24.5	5.32	60.8	546.73	58.7	49.9	46.9
10.0	25.0	5.95	59.3	545.38	57.3	48.0	45.0
16.0	25.0	7.55	56.2	543.00	54.2	43.9	40.9
20.0	25.0	8.47	54.8	542.05	52.8	42.0	39.0
25.0	24.3	9.51	53.3	541.20	51.3	40.0	37.0
31.25	23.6	10.67	52.0	540.44	49.9	38.1	35.1
62.5	21.5	15.38	47.4	538.55	45.4	32.1	29.1
100	20.1	19.80	44.3	537.60	42.3	28.0	25.0
200	18.0	28.98	39.8	536.54	37.8	22.0	19.0
250	17.3	32.85	38.3	536.27	36.3	20.0	17.0

### 5) Mechanical Characteristics

<b>Installation Temperature</b>	----- -20°C to +70°C
<b>Operating Temperature</b>	----- -20°C to +70°C
<b>Elongation Before Aging</b>	----- ≥300% (Insulation), ≥100% (Jacket)
<b>Tensile Strength Before Aging</b>	----- ≥16.5MPa (Insulation), ≥13.8MPa (Jacket)
<b>Elongation After Aging</b>	----- ≥75% of unaged (Insulation); ≥50% of unaged (Jacket)
<b>Tensile Strength After Aging</b>	----- ≥75% of unaged (Insulation); ≥85% of unaged (Jacket)

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