

CAT.6A U/UTP 23AWG Solid Installation Cable

50103113

PRODUCT DESCRIPTION

• Cable Specifications:

CAT6A UTP 4 X 1P[23AWG(1/0.57mm±0.008mm BC)]+CROSS
LSZH(Eca) JACKET OD: 6.2±0.20mm

• Standard Reference:

- ISO/IEC 11801:2017
- ANSI/TIA-568.2-D

• Physical characteristic

- Rated temperature: 75°C
- Installation temperature: -20-60°C
- Operating temperature: -20-75°C
- Min bending radius: 8xOD in Operation: 4xOD after operation
- Safety Characteristics: RoHS-2 2011/65/EU

• Application

- Support 500MHz bandwidth
- Support 10G Ethernet
- Applied to data centers, servers, switches, wiring racks and other equipment connections

CABLE CONSTRUCTION

Conductor	Material	Solid Bare Copper	
	Nom.O.D (mm)	1/0.57±0.008mm 23AWGx4P	
Insulation		FMPE	HDPE
Average Thickness(mm)		/	0.23
Insulation Dia.(±0.05mm)		/	1.02
The cross - PE		0.3*4.20mm (±0.05mm/±0.1mm)	
Jacket LSZH(Eca)	Average Thickness (mm)		0.6
	Outer Dia.(±0.20mm)		6.2
Code Color	1 Blue*Blue/White		2 Orange*Orange/White
	3 Green*Green/White		4 Brown*Brown/White
Marking	/		
Packaging length		100m/R,305m/R	
Packaging method		Wooden Reel	

CHARACTERISTICS

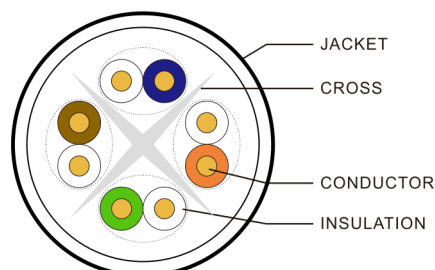
Conductor Resistance@20°C	≤89.2Ω/km
Resistance Unbalance@20°C	≤5%

DIREKTRONIK

305m: Best.nr. 20121254

100m: Best.nr. 20121255

Cable Cross-Section Structure



TECHNICAL PERFORMANCE

Fluke Permanent Link Test@90m

Frequency (MHZ)	Insertion Loss	RL Min (dB)	NEXT Min (dB)
1	3.0	19.1	65.0
4	3.5	21.0	64.1
8	5.0	21.0	59.4
10	5.5	21.0	57.8
16	7.0	20.0	54.6
20	7.8	19.5	53.1
25	8.8	19.0	51.5
31.25	9.8	18.5	50.0
62.25	14.0	19.0	45.1
100	18.0	14.0	41.8
200	26.1	11.0	36.9
250	29.5	10.0	35.3
350	35.6	8.6	31.8
450	41.1	8.0	28.2
500	43.8	8.0	26.7

Frequency (MHZ)	PS NEXT Min(dB)	ELFEXT Min(dB)	PSELFEXT Min(dB)	Impedance (Ohms)
1	62.0	64.2	61.2	100±15
4	61.8	52.1	49.1	
8	57.0	46.1	43.1	
10	55.5	44.2	41.2	
16	52.2	40.1	37.1	
20	50.7	38.2	35.2	
25	49.1	36.2	33.2	
31.25	47.5	34.3	31.3	
62.25	42.7	28.3	25.3	
100	39.3	24.2	21.2	
200	34.3	18.2	15.2	
250	32.7	16.2	13.2	
350	29.1	13.3	10.3	
450	25.3	11.1	8.1	
500	23.8	10.2	7.2	

DIREKTRONIK

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