

# 23AWGX4P UTP CAT6

**Part NO:** UTP-CAT6-23AWG

**Product Description**

**Application:**

Horizontal Wiring in LAN CABLE

**Reference Standard**

ISO/IEC 11801

TIA/EIA568B

**Multi-construction**

**4 Pairs (8 Cores)**

**Cable Construction**

**Conductor Solid Bare Copper**

AWG 23

Conductor Dia. 0.550±0.005mm

**Insulation Solid PE**

Thickness AVG: 0.24mm, MIN: 0.22mm

Insulation Dia. 1.02±0.02mm

**Each Pair is twisted ,Unshielded**

**Polyester NO**

**Filler PE:4.8\*0.4mm**

**AL/Pet NO**

**Drain Wire NO**

**Rip Cord Yes**

**Jacket PVC**

Thickness AVG: 0.55mm, MIN: 0.5mm

Outer Dia. 6.1±0.30mm

Jacket Color /

**Color**

**Insulation color are:**

Blue, White/Blue

Orange, White/Orange

Green, White/Green

Brown, White/Brown

**Marking**

According to customer

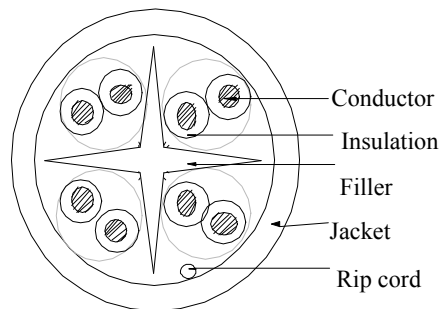
**Packaging**

305m/ box, 24boxes/pallet

**REMARK**

Pass Network analysis test, all ROHS

**Design**



**Performance**

Frequency (MHz)	RL (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)
	min.	max		
1	20.0	2.02	74.30	72.28
4	23.0	3.78	65.27	61.49
8	24.5	5.32	60.75	55.43
10	25.0	5.95	59.30	53.35
16	25.0	7.55	56.24	48.68
20	25.0	8.47	54.78	46.31
25	24.3	9.51	53.33	43.83
31.25	23.6	10.67	51.88	41.20
62.5	21.5	15.38	47.36	31.98
100	20.1	19.80	44.30	24.50
250	17.3	32.84	38.33	5.48

Frequency (MHz)	ELFEXT (dB)	PSNEXT (dB)	PSELFEXT (dB/100m)	Impedance (Ohm)
1	67.80	72.30	64.80	
4	55.76	63.27	52.76	
8	49.74	58.75	46.74	
10	47.80	57.30	44.80	
16	43.72	54.24	40.72	100±15
20	41.78	52.78	38.78	
25	39.84	51.33	36.84	
31.25	37.90	49.88	34.90	
62.5	31.88	45.36	28.88	
100	27.80	42.30	24.80	
250	19.80	36.30	16.80	

**Characteristics**

Max.Conductor DC Resistance at 20°C ( Ω /Km)	<93.8
Rated Temperature(°C)	75
Rated Voltage(V)	300V
Velocity ratio	65%

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Approved by:      Page: 1 / 1