

23 AWGX4P UTP CAT6

Part NO: UTP-CAT6 23AWG

Product Description

Application:

LAN CABLE Installation

Reference Standard

ISO/IEC 11801

ANSI/TIA/EIA-568-C

Multi-construction

4 Pairs (8 Cores)

Cable Construction

Conductor

Solid Bare Copper

AWG

23

Conductor Dia.

0.53±0.005mm

Insulation

HDPE

Thickness

AVG: 0.235mm, MIN: 0.22mm

Insulation Dia.

1.00±0.01mm

Each Pair is twisted ,Unshielded

Polyester

NO

Filler

Yes

AL/Pet

NO

Drain Wire

NO

Rip Cord

Yes

Jacket

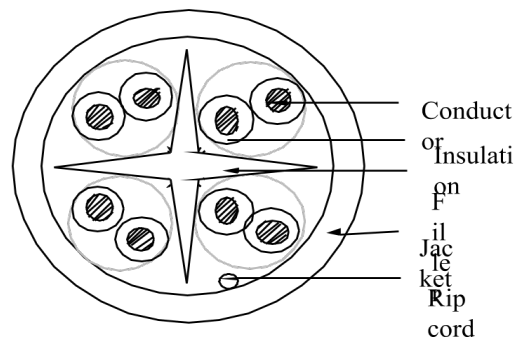
PVC

Thickness

AVG: 0.57mm, MIN: 0.55mm

Outer Dia.	6.1±0.20mm
Jacket Color	Gray
Colour	
Insulation colours per pair:	
Blue, White/Blue	
Orange, White/Orange	
Green, White/Green	
Brown, White/Brown	
Marking	
Cat6 utp/pvc 4 pair 24awg to ISO11801 00	
Packaging	
305m/pull box, Or Palletised	
REMARK	
CPR Eca, ROHS COMPLIANT	

Design



Performance				
Frequency (MHz)	RL (dB) min.	na '10 na>	NEXT (dB)	ACR (dB)
1	20.0	.02	74.30	72.28
4	23.0	.78	65.27	61.49
8	24.5	.32	60.75	55.43
10	25.0	.95	59.30	53.35
16	25.0	.55	56.24	48.68
20	25.0	.47	54.78	46.31
25	24.3	.51	53.33	43.83
31.25	23.6	1.6	51.88	41.20
62.5	21.5	5.31	47.36	31.98
100	20.1	9.81	44.30	24.50
250	17.3	2.8	38.33	5.48
Frequency (MHz)	ELFEXT (dB)	NE dB	PSELFEXT (dB/100m)	Impedance (Ohm)
1	67.80	2.31	64.80	100±15
4	55.76	3.2	52.76	
8	49.74	3.7	46.74	
10	47.80	7.31	44.80	
16	43.72	4.2	40.72	
20	41.78	2.7	38.78	
25	39.84	1.3	36.84	
31.25	37.90	9.81	34.90	
62.5	31.88	5.31	28.88	
100	27.80	2.31	24.80	
250	19.80	5.31	16.80	
Characteristics				
Max.Conductor DC Resistance at 20°C (Ω/Km)				<83
Rated Temperature(°C)				75
Rated Voltage(V)		300V		
Velocity ratio				65%

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