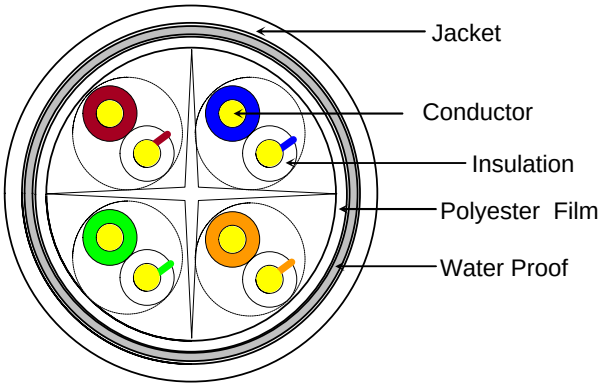
4 PAIR 23AWG CAT6 UTP CABLE

Product No.:TXL121 - 580

Cross Section



Marking

E222804-S UL CM 4PR 23AWG UTP 75ºC---C-UL CM 4PR 23AWG UTP 75ºC---UL VERIFIED CAT6 TX

Description

Rated Temperature (ºC)	75
Product Standard Certification	UL File E222804
Flammability Test	CM
Application	
Horizontal Wiring in LAN	
Reference Standard	
YD/T1019-2001, UL Subject 444, EIA/TIA568 & ISO/IEC 11801	

Construction

Conductor	**Solid Bare Copper**
AWG	23
Conductor Dia. (± 0.005 mm)	0.576
Insulation	**PE**
Average Thickness (mm)	0.23
Min. Point Thickness (mm)	0.22
Insulation Dia. (± 0.02 mm)	1.030
Twisting Lay Length (mm)	30underneath
Cabling Lay Length (± 20 mm)	100
Filler	**PE**
Polyester Film	**YES**
Water Proof	**YES**
Jacket	**PE**
Average Thickness (mm)	0.55
Min. Point Thickness (mm)	0.52
Outer Dia. (± 0.2 mm)	6.8

Colour

Insulation Colour Are:

Blue, White/Blue
Orange, White/Orange
Green, White/Green
Brown, White/Brown

Jacket Colour:

Per Customer Request

Part No.: **TXL121 - 580**

Ref. Spec NO.: YD/T1019-2001 Rev.:0

Revision History

Performance

Electrical Characteristics:

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)
1.00	20.00	1.84	74.30	
4.00	23.01	3.69	65.27	
8.00	24.52	5.26	60.75	
10.00	25.00	5.89	59.30	
16.00	25.00	7.51	56.24	
20.00	25.00	8.43	54.78	
25.00	24.32	9.47	53.33	
31.25	23.64	10.64	51.88	
62.50	21.54	15.36	47.36	
100.00	20.11	19.78	44.30	
200.00	18.00	28.97	39.78	
250.00	17.32	32.84	38.33	

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	DELAY (ns/100m)
1.00	72.30	68.00	65.00	570.00
4.00	63.27	55.96	52.96	552.00
8.00	58.75	49.94	46.94	546.73
10.00	57.30	48.00	45.00	545.38
16.00	54.24	43.92	40.92	543.00
20.00	52.78	41.98	38.98	542.05
25.00	51.33	40.04	37.04	541.20
31.25	49.88	38.10	35.10	540.44
62.50	45.36	32.08	29.08	538.55
100.00	42.30	28.00	25.00	537.60
200.00	37.78	21.98	18.98	536.50
250.00	36.33	20.04	17.04	536.28

1.0 ~ 250.0MH Mpedance (ohms)	100 ± 15
1.0 ~ 250.0MH Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20ºC (ohms/km)	93.8
Resistance Unbalance (%)	<=5

Mechanical Characteristics:

Test Object			**Jacket**
Test Material			PVC
Before Aging	Tensile Strength (Mpa)		>=13.8
	Elongation (%)		>=100
Aging Condition (ºCxhrs)			100x240
After Aging	Tensile Strength (Mpa)	>=85% Of Unaged	
	Elongation (%)	>=50% Of Unaged	
Cold Bend (-20 ± 2 ºCx4hrs)			No Crack

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Approved By:		2004/12/11		Page 1of 1