

LT-CAT5e-IND-xxMT

LAN CAT5e F/UTP 2003B Cable

Sunlight and Oil Resistant CAT5e F/UTP Cable, Non-Plenum, Black Jacket, 4-Pair Count, 1000 ft (305m) Length, Reel.

Available in 15, 30, 75 and 90 meters.

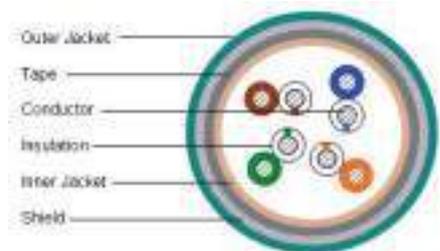
Specifications

Electrical Specifications	
ANSI/TIA Category	5e
DC Resistance Unbalance, Max.	5%
DC Resistance, Max.	9.38 Ohms / 100m
Delay Skew	45 ns
Mutual Capacitance	5.6 nF/100m @ 1 kHz
Nominal Velocity of Propagation	69%
Operating Frequency, Max.	100 MHz
Transmission Standards	ANSI/TIA-568-C.2
Safety Voltage Rating	300 V
Dielectric Strength, Min.	1500 Vac / 2500 Vdc

Environmental Specifications	
Environmental Space	Non- Plenum
Flame Test Method	CMR
Installation Temperature	0 °C to +60 °C
Operating Temperature	-40 °C to +75 °C

Mechanical Specifications	
Pulling Tension, Max.	11 Kg / 25 lb

General Specifications	
Cable Component Type	Horizontal
Cable Type	F/UTP (Shielded)
Pairs, Quantity	4
Jacket Color	Black
Conductor Gauge, Singles	24 AWG
Conductor Type, Singles	Solid
Conductors, Quantity	8
Packaging Type	Reel
Product Number	2003B



Construction Materials	
Conductor	Bare Copper
Inner Jacket	PVC
Insulation	Polyolefin
Jacket	PVC
Shield Braid Coverage	65 %
Shield Braid	Tinned Copper
Shield Tape	Aluminum / Polypropylene / Aluminum

Physical Dimensions	
Cable Length	305 m / 1000 ft
Cable Weight	45.25 lb/kft
Diameter over Inner Jacket	5.715 mm / 0.225 in
Diameter over Jacket	7.544 mm / 0.297 in
Diameter over Shield (Tape)	5.944 mm / 0.234 in
Inner Jacket Thickness	0.508 mm / 0.020 in
Jacket Thickness	0.508 mm / 0.020 in

Regulatory Compliance/Certifications

- RoHS 2002/95/EC Compliant
- ISO 9001:2008 Designed, Manufactured and/or Distributed under this Quality Management



Product specifications are subject to change without prior notice.
For more information, visit www.lamatel.ca or send an email to sales@lamatel.com.

Electrical Performance

Std	Standard (ANSI/TIA-568)
IL	Insertion Loss (dB/100m)
NEXT	Near End Crosstalk (dB/100m)
ACR	Attenuation to Crosstalk Ratio (dB/100m)
PSNEXT	Power Sum Near End Crosstalk (dB/100m)
PSACR	Power Sum Attenuation to Crosstalk Ratio (dB/100m)
ACRF	Attenuation to Crosstalk Ratio - Far End (dB/100m)
PSACRF	Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)
RL	Return Loss (dB)

Frequency (MHz)	IL	NEXT	ACR	PSNEXT	PSACR	ACRF	PSACRF	RL
	Std	Std	Std	Std	Std	Std	Std	Std
1	2.0	65.3	63.3	62.3	60.3	63.8	60.8	20.0
4	4.1	56.3	52.2	53.3	49.2	51.8	48.8	23.0
8	5.8	51.8	46.0	48.8	43.0	45.7	42.7	24.5
10	6.5	50.3	43.8	47.3	40.8	43.8	40.8	25.0
16	8.2	47.2	39.0	44.2	36.0	39.7	36.7	25.0
20	9.3	45.8	36.5	42.8	33.5	37.8	34.8	25.0
25	10.4	44.3	33.9	41.3	30.9	35.8	32.8	24.3
31.25	11.7	42.5	31.2	39.9	28.2	33.9	30.9	23.6
62.5	17.0	38.4	21.4	35.4	18.4	27.9	24.9	21.5
100	22.0	35.3	13.3	32.3	10.3	23.8	20.8	20.1

