

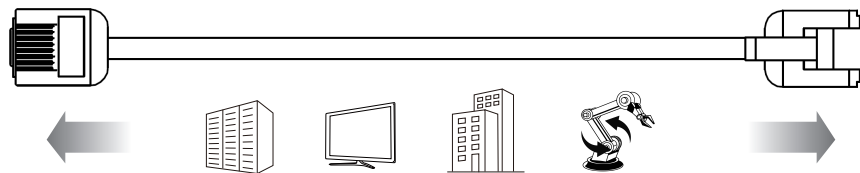
Features

- Transmission tested to 500MHz, according to ISO 11801 Cat.6A standard
- Ultra slim Cable with AWG 34
- Exceeds the IEC 61935-2 Flexure Test standard by achieving a minimum of 30,000 cycles
- The minimum coiling diameter is 20mm
- Plug contacts rated for over 750 mating cycles
- Flame tested to IEC 60332-1
- POE++ tested to IEEE 802.3bt, Bundle size 7 pcs
- Highly flexible, ideal for frequent movement or bending
- Length:1m to 10m

Applications

OUTPUT

- Building Network
- High Density Data Center
- UHD Video Networking
- Continuous motion



Reference Standard

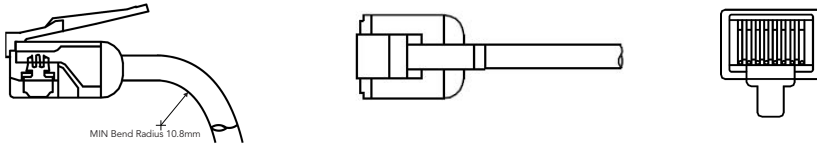
Cat.6 U/UTP Networking Patch Cord Specification Standard	
Application Standards	ISO/IEC 11801
Performance Standard	Component
Wiring method	T568-B
Supported Data Rate	10Gbps (Gigabit ethernet)
Supported Bandwidth	1 to 500MHz
Construction	
Conductors	Annealed Bare Copper
Conductor Insulation	Polypropylene
Cable Jacket Material	TPE
Connector Material	UL94V-0
Contact Material	Phosphor Bronze, 50μ" Gold-plated
Contact Type	3-prong

Mechanical		Electrical Characteristics	
Temperature range	Operation -20°C up to 60°C ; Installation 0 °C up to 50°C	Insulation Resistance	min. 100MΩ/10m@20°C

Connector Structure

(mm)

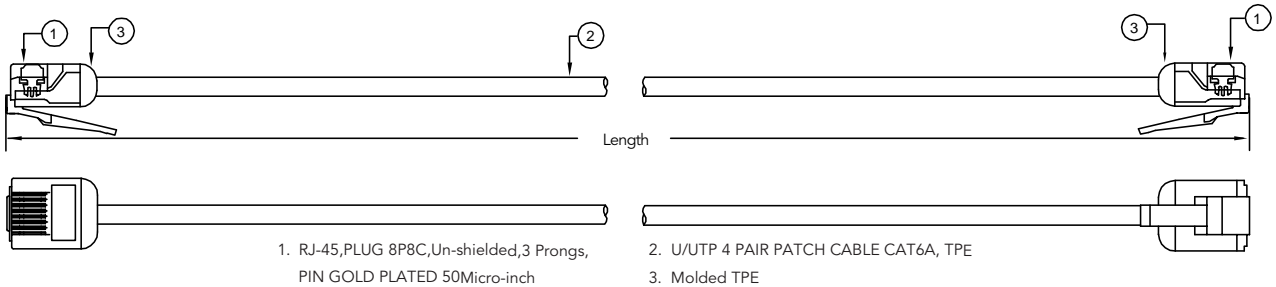
Short boot Connector



*Note : Optional for Connector/Boot size and appearance

Form

(mm)



Available colors



CTi Cable Code	Connector Type	AWG	OD(mm)	OD(in)	Outer Jacket	Length(m)	Conductor Resistance
LPPKM01	Molded	34	2.6+/-0.15	0.10+/-0.01"	TPE (IEC 60332-1)	1~10	max. 960/km@20°C



Reliability Tests

Torsion	Reverse Bending	
<p>1 million times</p> <p>$\pm 180^\circ$</p>	<p>750,000 times</p>	
Flexure	Crush	Impact
<p>>30,000 times</p> <p>90°</p>	<p>>500 kgf</p> <p>25 mm</p>	<p>>30,000 times</p> <p>1.5kg</p> <p>15 cm</p>
IEC 61935-2	TIA/EIA 455-41A	TIA/EIA 455-25B

*This test value is measured under CTI's test condition and methods, not a guaranteed value.

Test Report

✔

Cable ID: 34AWG-C6A-10M-01 **Test Summary: PASS**

Test Limit: ISO Patch Cord Cat6A 10.0m
 Limits Version: V7.8
 Date / Time: 11/29/2024 09:35:43 AM
 Operator: CTI W
 Headroom: 4.4 dB (NEXT 3.6-4.5)
 Cable Type: Cat 6A U/UTP
 NVP: 68.2%

Main: Versiv	S/N: 1914174	Remote: Versiv	S/N: 1914175
Software Version: V6.9 Build 2	Calibration Date: 11/15/2024	Software Version: V6.9 Build 2	Calibration Date: 11/15/2024
Adapter: DSX-9000 (DSX-PC6A)	S/N: 4663038	Adapter: DSX-9000R (DSX-PC6A)	S/N: 4663007

Length (m)	[Pair 1,2]	11.2
Prop. Delay (ns)	[Pair 3,6]	65
Delay Skew (ns)	[Pair 1,2]	0
Resistance (ohms)	[Pair 7,8]	16.00

Wire Map (T568B)
PASS

11.2 m

Worst Case Margin		Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	3.6-4.6	4.5-7.8	3.6-4.6	3.6-7.8
NEXT (dB)	4.4	5.2	4.4	5.8
Freq. (MHz)	500.0	17.1	500.0	494.0
Limit (dB)	31.7	58.0	31.7	31.8

Worst Pair		MAIN		SR	
PASS	MAIN	SR	MAIN	SR	SR
RL (dB)	2.5	2.6	2.5	13.4	13.4
Freq. (MHz)	4.3	4.0	4.0	451.0	451.0
Limit (dB)	21.7	21.6	21.6	10.2	10.2

Project: ...
Site: Not Set
Floor: Not Set
Room: Not Set
Patch: Not Set
UTP C6A 34AWG.Bw

Building: Not Set
Room: Not Set
Patch: Not Set

LINKWARE™ PC Version 11.4
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LPPKM01-10M Fluke Test