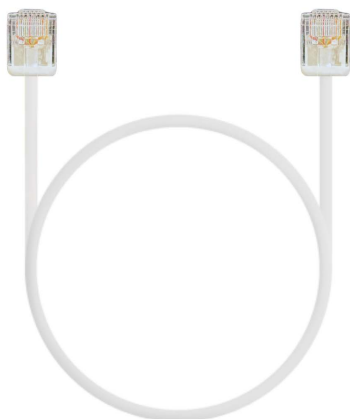




Features

- Transmission tested to 250MHz, according to ANSI/TIA 568.2-D, ISO 11801 Cat.6 standard
- Ultra slim Cable with AWG 32-34 (cable diameter 2.9-2.6mm)
- Exceeds the IEC 61935-2 Flexure Test standard by achieving a minimum of 30,000 cycles
- The minimum coiling diameter is 15mm for 32AWG and 20mm for 34AWG
- 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	ANSI/TIA-568.2-D ISO/IEC 11801
Performance Standard	Component
Wiring method	T568-B
Supported Data Rate	1 Gbps (Gigabit ethernet)
Supported Bandwidth	1 to 250 MHz

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

Temperature range	Operation -20°C up to 60°C ; Installation 0 °C up to 50°C
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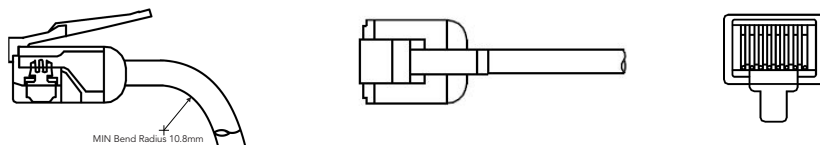
Electrical Characteristics

Insulation Resistance	min. 100MΩ/10m@20°C
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Connector Structure

(mm)

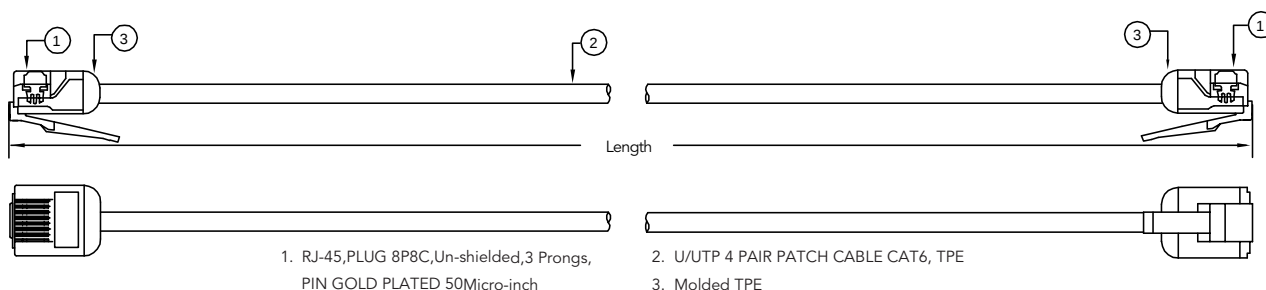
Short boot Connector



*Note : Optional for Connector/Boot size and appearance

Form

(mm)



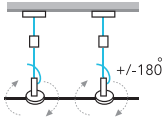
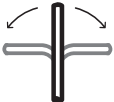
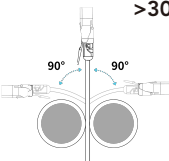
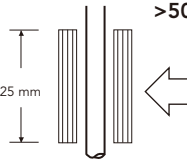
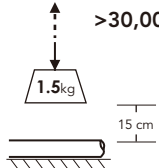
Available colors



CTi Cable Code	Connector Type	AWG	OD(mm)	OD(in)	Outer Jacket	Length(m)	Conductor Resistance
LPNKM01	Molded	32	2.9+/-0.1	0.11+/-0.004"	TPE (IEC 60332-1)	1~10	max. 589/km@20°C
LPOKM01		34	2.6+/-0.15	0.10+/-0.01"	TPE (IEC 60332-1)	1~10	max. 960/km@20°C

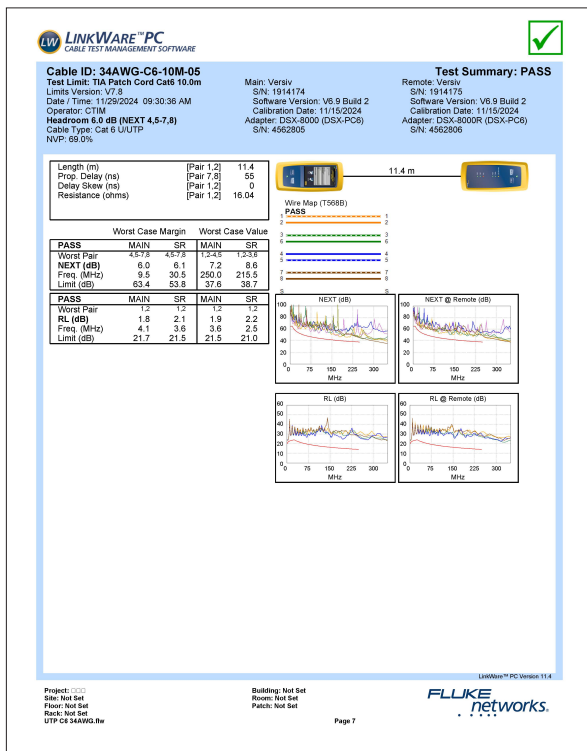


Reliability Tests

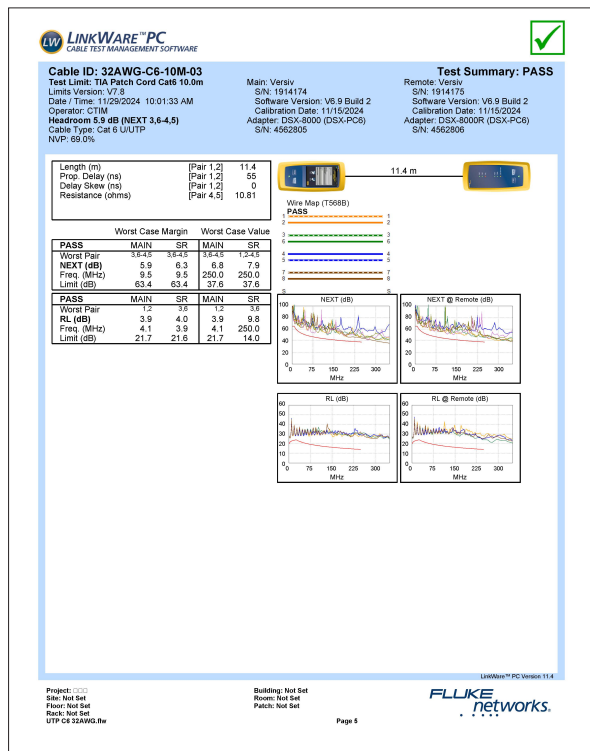
Torsion		Reverse Bending			
1 million times		750,000 times			
					
Flexure		Crush		Impact	
>30,000 times		>500 kgf		>30,000 times	
					
IEC 61935-2		TIA/EIA 455-41A		TIA/EIA 455-25B	

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

Test Report



LPOKM01-10M Fluke Test



LPNKM01 10M Fluke Test