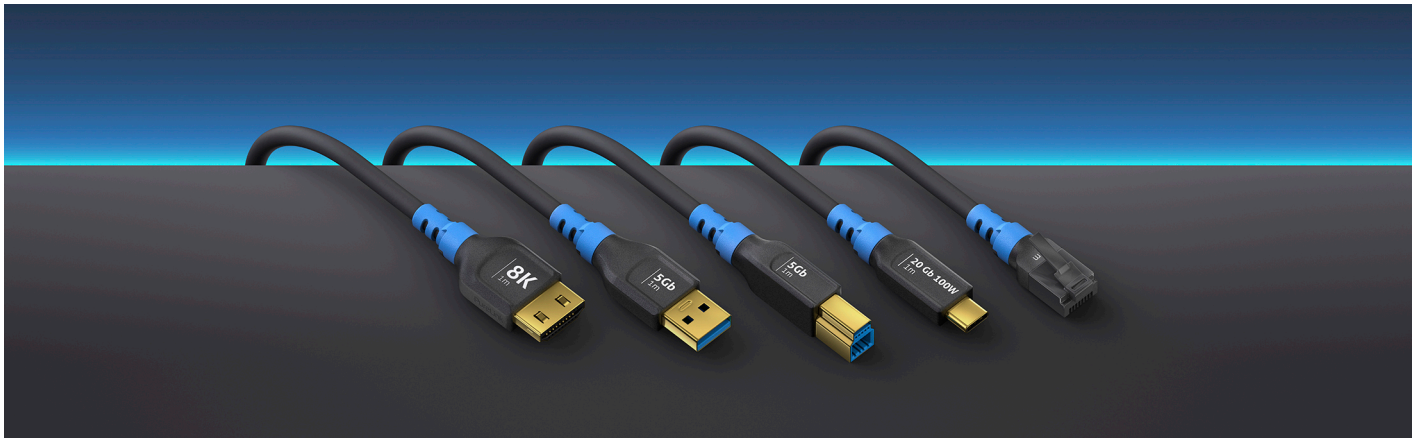


PureLink FlexInstall Series: Cat.6a Patch Cable | RJ45, S/FTP

FI-PC110 – Ultra-Flexible Cat.6a S/FTP Patch Cable: Reliable Connectivity and High-Quality Performance

Pre-assembled with blue strain relief.

The Cat.6a Ultra-Flexible Ethernet Cable is designed to meet the demands of professional AV applications and IT environments. With its advanced features and durable construction, this cable ensures seamless data transmission and connectivity.

- **High-Speed Data Transfer:** Supports up to 500MHz for 10GBase-T Ethernet and HDBaseT, providing reliable and high-speed data transfer for demanding applications. Enjoy fast and efficient connectivity without compromise.
- **Compact and Flexible Design:** With an ultra-flexible and compact cable and connector construction, this Ethernet cable offers easy installation and flexibility in tight spaces. Its RJ45 male to RJ45 male connectors ensure a secure and stable connection.
- **Enhanced Signal Quality:** Features high purity copper conductors and graphene nano shielding with a diameter of 4.8mm, ensuring optimal signal quality and minimal interference. Experience clear and reliable data transmission with this high-quality cable.
- **Durable and Safe Construction:** Made with halogen-free TPE jacket, this Ethernet cable is environmentally friendly and safe for use in various settings. Its robust construction ensures long-lasting performance and reliability.
- **Power over Ethernet:** With POE++ up to 100W transmission, this Cat.6a patch cable provides you with the latest and most powerful PoE standard.

Superior Connectivity with the Cat.6a Ultra-Flexible Ethernet Cable
Get seamless data transmission and reliable connectivity with this high-speed Ethernet cable. Its advanced features and durable construction make it the ideal choice for professional AV applications and IT environments.



Features

- Cat.6a with up to 500MHz for 10GBase-T Ethernet and HDBaseT
- Ultra-flexible cable (24.75mm bend radius) and compact connector construction
- RJ45 male to RJ45 male with blue strain relief (10 optional colours available)
- High-purity copper conductors and graphene nano shielding - Ø 4.8mm, AWG30
- Halogen-free TPE jacket



Specifications

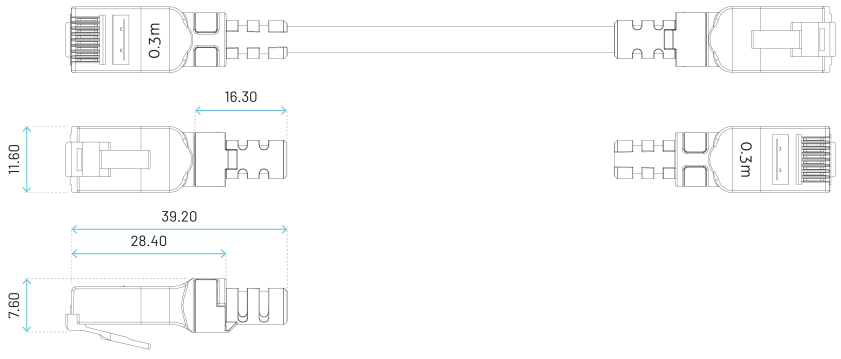
Cable	
Cable standard	Cat6a
Unidirectional	No
Cable fire class	IEC 60754-1 - halogen-free
Cable length detection	Yes
Cable shape	Round
Cable diameter (mm)	4.8 mm
Cable jacket characteristics	Ultra flexible, Ultra slim, Smooth, Soft
Cable jacket material	Thermoplastic Elastomer (TPE)
Cable shielding	S/FTP (S-STP)
Shield materials	Graphene, Aluminium foil + Mylar layer
Number of shielding layers	2
Additional cable components	Twisted Pair (Data lines)
Primary conductor gauge (AWG)	30
Conductor material	Tinned Copper (TC)
Conductor type	Solid
Minimum bending radius (flexible use) (mm)	24.75 mm
Minimum bending radius (fixed installation) (mm)	24.75 mm

Connection	
Connector 1 standard	T-568B (Cat. wiring standard)
Connector 1	RJ45
Connector 1 gender	Male connector
Connector 1 form factor	Straight
Connector 1 lockable	With locking
Connector 1 pinout	8P8C (RJ)
Connector 2 gender	Male connector
Connector 2 form factor	Straight
Connector housing material	Polyvinyl Chloride (PVC)
Connector material	Nickel/Tin
Connector contacts plating	Gold-plated
Connector shielding	Yes
Connector shield material	Tin

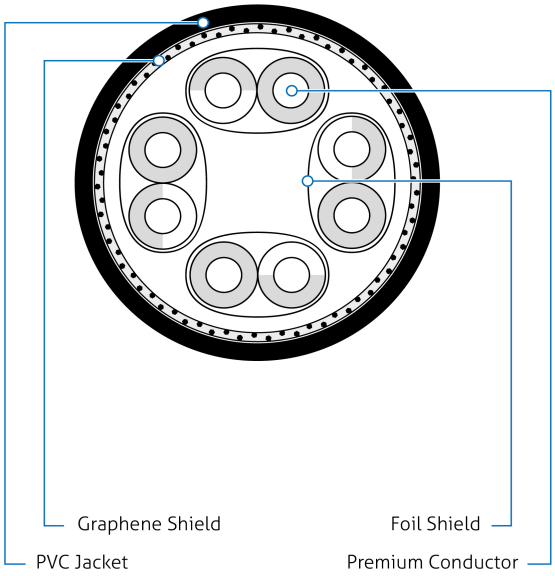
Features	
Other features	2x Velcro cable tie, 2x removable strain relief (blue)

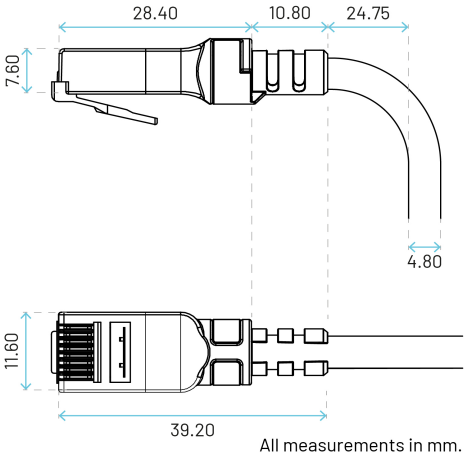
CAT	
Ethernet interface type	10 Gigabit Ethernet
Networking cable category	6a
Power over Ethernet (PoE)	PoE+ (802.3at)
Power over Ethernet (PoE) voltage	48 V

General Information	
Certification	RoHS, CE



All measurements in mm.


Graphene Shield
Foil Shield
PVC Jacket
Premium Conductor


28.40
10.80
24.75
7.60
4.80
11.60
39.20
All measurements in mm.

Overview

Parent	Item-No.	Cable length	Power over Ethernet (PoE)	Quantity per pack
FI-PC110	FI-PC110-003	0.30 m	PoE++ (802.3bt) Type 3	-
	FI-PC110-003-PCK	0.30 m	PoE++ (802.3bt) Type 3	80 pc(s)
	FI-PC110-005	0.50 m	PoE++ (802.3bt) Type 3	-
	FI-PC110-005-PCK	0.50 m	PoE++ (802.3bt) Type 3	60 pc(s)
	FI-PC110-010	1.00 m	PoE++ (802.3bt) Type 3	-
	FI-PC110-010-PCK	1.00 m	PoE++ (802.3bt) Type 3	50 pc(s)
	FI-PC110-0015	0.15 m	PoE++ (802.3bt) Type 3	-
	FI-PC110-015	1.50 m	PoE++ (802.3bt) Type 3	-
	FI-PC110-0015-PCK	0.15 m	PoE++ (802.3bt) Type 3	100 pc(s)
	FI-PC110-015-PCK	1.50 m	PoE++ (802.3bt) Type 3	40 pc(s)
	FI-PC110-020	2.00 m	PoE++ (802.3bt) Type 3	-
	FI-PC110-020-PCK	2.00 m	PoE++ (802.3bt) Type 3	30 pc(s)
	FI-PC110-030	3.00 m	PoE++ (802.3bt) Type 3	-
	FI-PC110-030-PCK	3.00 m	PoE++ (802.3bt) Type 3	25 pc(s)
	FI-PC110-050	5.00 m	PoE++ (802.3bt) Type 3	-
	FI-PC110-050-PCK	5.00 m	PoE++ (802.3bt) Type 3	15 pc(s)
	FI-PC110-075	7.50 m	PoE+ (802.3at)	-
	FI-PC110-075-PCK	7.50 m	PoE+ (802.3at)	9 pc(s)
	FI-PC110-100	10.00 m	PoE+ (802.3at)	-
	FI-PC110-100-PCK	10.00 m	PoE+ (802.3at)	9 pc(s)
	FI-PC110-150	15.00 m	PoE (802.3af)	-
	FI-PC110-150-PCK	-	PoE (802.3af)	-
	FI-PC110-200	20.00 m	PoE (802.3af)	-
	FI-PC110-300	30.00 m	PoE (802.3af)	-

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