

Fibre Optics



Copper



Enclosures



Wireless

# PRODUCT CATALOGUE 2011/2012

Linxcom is a UK Brand offering network and communications end-to-end solutions. We specialize in fibre optic passive and active products and focus on the latest technology to provide our customers with the best and most cost effective solutions.

We pride ourselves on supporting our customers with whatever requirement they might have, wherever and whenever they need it. Recognizing that innovation is the foundation of our business, we constantly challenge ourselves to develop new and improved ideas. We encourage, expect and value creativity, openness to change, and fresh approaches in all our research and development.

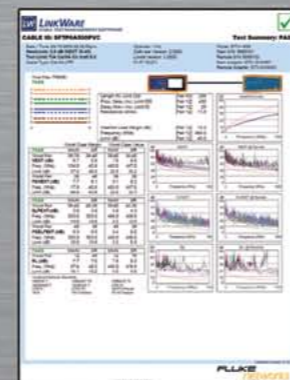
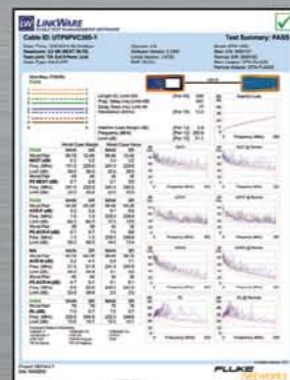
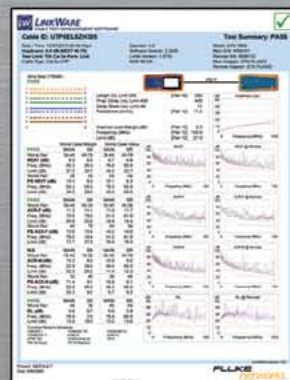
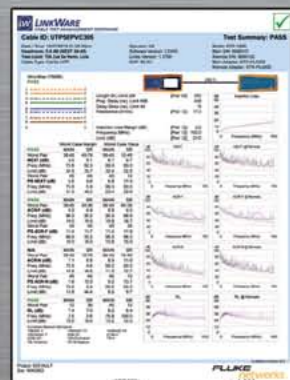
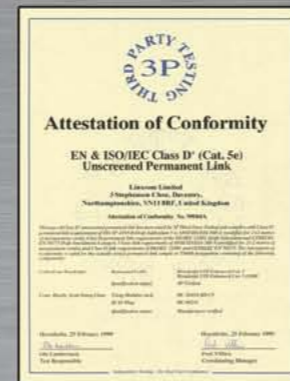
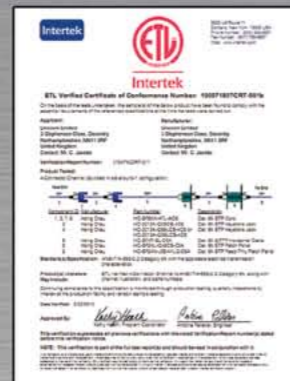
We have a logistics warehouse in the Far East, strong partners around the world, short-term fibre optic manufacturing facility in the UK, local offices in England, South Africa and China, experienced multi-lingual sales & account managers and highly skilled specialized engineers.

Linxcom has a flat, decentralised structure ensuring our divisions have a large measure of independence. They take the lead in meeting customer needs, from sales and delivery contracts to co-development and innovation, so Linxcom ensures to be the best at...



...Connecting Your World

## Certificates & Test Reports



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# Fibre Optic Passive Solutions.



**Including:**  
Assemblies  
Components  
Cable  
Fibre Management  
Accessories  
Tools  
Cleaning & Consumables  
Test, Measurement & Splicing

Fibre Optic Pigtails

Linxcom offers a range of pigtails designed and manufactured for demanding LAN and Telecom applications. It comprises of singlemode OS1/OS2 (9/125µm), OM1 (62, 5/125µm), OM2 OM3 and OM4 (50/125µm) simplex and duplex pigtails with the following connectors ST, SC, LC, FC, MTRJ, SMA, E2000, MU and more, available in UPC and APC. We also offer Bend insensitive pigtails and waterproof pigtails as well as pigtails with 900um, 2mm or 3mm jackets and can be Duplex. Pigtails are available in any coloured jacket upon request. Fan-out pigtails are also available upon request, so please ask our sales team.

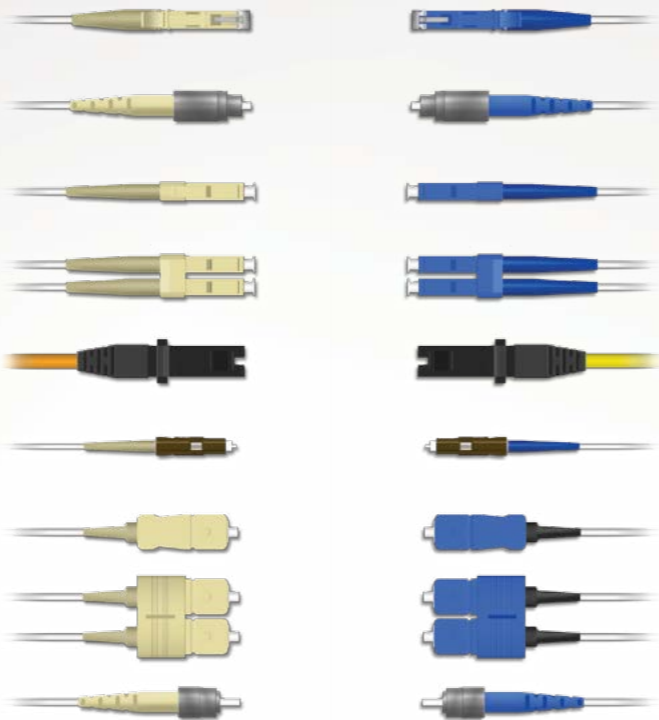


Features

- Low insertion loss, ensure highest network connection performance
- 100% tested on optical performance (Insertion Loss & Return Loss)
- End-face geometry requirement comply to Telcordia GR-326-CORE
- Compliant with IEC IEC874-14 and RoHS.
- Standard Singlemode OS1/OS2, G. 652-D and available upon request on G. 652-B, G. 655, G. 657. Standard Multimode OM1, OM2, OM3 & OM4.
- Cable outer jacket available in Riser (OFNR), Low Smoke Zero Halogen (LSZH), Plenum (OFNP)
- Coloured connector boot for easy identification  
Singlemode: Blue for UPC/PC and Green for APC,  
Multimode: Beige
- Customer specified length

Applications

- Telecommunications networks
- LAN, WAN
- CCTV networks
- FTTX
- For end-to-end fibre cable connectivity



Singlemode Fibre Optic Pigtails

Specification

	ST Connector	SC Connector	LC Connector	MTRJ Connector	FC Connector
Insertion Loss dB at 850nm	<0.2	<0.2	<0.2	<0.5	<0.2
Return Loss dB at 1310nm	>50	>50	>50	>30	>50
Dispersion Coef nm/km at 1310nm	<3.0	<3.0	<3.0	<3.0	<3.0
Dispersion Coef nm/km at 1550nm	<18.0	<18.0	<18.0	<18.0	<18.0
Attenuation Max dB at 1310nm	<4.0	<4.0	<4.0	<4.0	<4.0
Attenuation Max dB at 1550nm	<3.0	<3.0	<3.0	<3.0	<3.0
Outer diameter mm	0.9	0.9	0.9	0.9	0.9
Material of Sheath	IEC874-14 LSZH	IEC874-14 LSZH	IEC874-14 LSZH	IEC874-14 LSZH	IEC874-14 LSZH
Operating Temp	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C

Multimode Fibre Optic Pigtails

Specification

	ST Connector	SC Connector	LC Connector	MTRJ Connector	FC Connector
Insertion Loss dB at 850nm	<0.2	<0.2	<0.2	<0.5	<0.2
Min Bandwidth MHz/km at 1300nm	>800	>800	>800	>800	>800
Attenuation Max dB at 850nm	<2.8	<2.8	<2.8	<2.8	<2.8
Attenuation Max dB at 1300nm	<0.8	<0.8	<0.8	<0.8	<0.8
Outer diameter mm	0.9	0.9	0.9	0.9	0.9
Material of Sheath	IEC874-14 LSZH	IEC874-14 LSZH	IEC874-14 LSZH	IEC874-14 LSZH	IEC874-14 LSZH
Operating Temp	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C

Ordering Information



Fan-out or singular:  
  
All types of pigtails are available singularly or in a fan-out pack as pictured.

Packaging information:  
  
6 pigtails in a zip bag, each pigtail is packed separately and comes in sealed bag with its test certificate and Serial Number for easier identification and good traceability.

Part Number Configuration

Connector Type

FC

FC=FC  
ST=ST  
SC=SC  
LC=LC  
E2=E2000  
...  
A=APC

Fibre Type

OS1

OS1=OS1  
OS2=OS2  
655=G. 655  
657=G. 657  
OM1=OM1  
OM2=OM2  
OM3=OM3  
...

Length

P

1=1 Metre  
2=2 Metres  
3=3 Metres

Example: FCOS1P1 - Pigtail FC/UPC OS1 (9/125) 1m

Special/Additional Information

For special pigtails such as bend-insensitive, waterproof, 2/3mm jackets, fan-out and duplex, please contact us for part numbers and/or pricing.

Fibre Optic Patch Cords

Linxcom offers a range of patchcords designed and manufactured for demanding LAN and Telecom applications. It comprises of singlemode OS1 (9/125µm) and OS2, multimode OM1 (62, 5/125µm), OM2, OM3 and OM4 (50/125µm), simplex and duplex patchcords with the following connectors: ST, SC, LC, FC, E2000, SMA, MTRJ and more, available in UPC or APC. We also offer Bend insensitive patchcords and waterproof patchcords. Any coloured jacket is available upon request in 2mm or 3mm.



Features

- Low insertion loss, ensure highest network connection performance
- 100% tested on optical performance (Insertion Loss & Return Loss)
- End-face geometry requirement comply to Telcordia GR-326-CORE
- Compliant with IEC IEC874-14 and RoHS.
- Standard Singlemode OS1/OS2, G. 652-D and available upon request on G. 652-B, G. 655, G. 657. Standard Multimode OM1, OM2 & OM3.
- Cable outer jacket available in Riser (OFNR), Low Smoke Zero Halogen (LSZH), Plenum (OFNP)
- Coloured connector boot for easy identification  
Singlemode: Blue for UPC/PC and Green for APC,  
Multimode: Beige
- Customer specified length

Applications

- Telecommunications networks
- LAN, WAN
- CCTV networks
- FTTX
- For end-to-end fibre cable connectivity



Singlemode Patch Cords

Specifications

Insertion Loss (dB):	Typical 0.2 (PC/UPC)
Return Loss (dB):	Typical 50dB Max 60dB (APC)
Maximum Tensile Load:	100N/cm
Apex Offset:	≤50 um, ≤100 um
Connector Types:	APC, UPC, PC
Fire Performance:	LSZH (indoor/outdoor)
Operating Temp:	- 40°C to +80°C
Radius of Curvature:	10-25mm, 5-15mm
Attenuation in 1300/1550:	0.38/0.24
Fibre Spherical Height:	-90nm, +50nm
Strength Members:	Aramid Strength
Fire Resistance:	IEC 60332-1
Angular Offset:	8°± 0.5°C (APC)



Multimode Patch Cords

Specifications

Insertion Loss (dB):	Typical 0.2 (PC/UPC)
Return Loss (dB):	Typical 50dB
Maximum Tensile Load:	100N/cm
Apex Offset:	≤50 um, ≤100 um
Connector Types:	UPC, PC
Fire Performance:	LSZH (indoor/outdoor)
Operating Temp:	- 40°C to +80°C
Radius of Curvature:	10-25mm, 5-15mm
Attenuation in 1300/1550:	2.8/0.8
Fibre Spherical Height:	-90nm, +50nm
Strength Members:	Aramid Strength
Fire Resistance:	IEC 60332-1



Ordering Information

Packaging information:

6 patch cords in a zip bag, each patch cord is packed separately and comes in sealed bag with its test certificate and Serial Number for easier identification and good traceability.



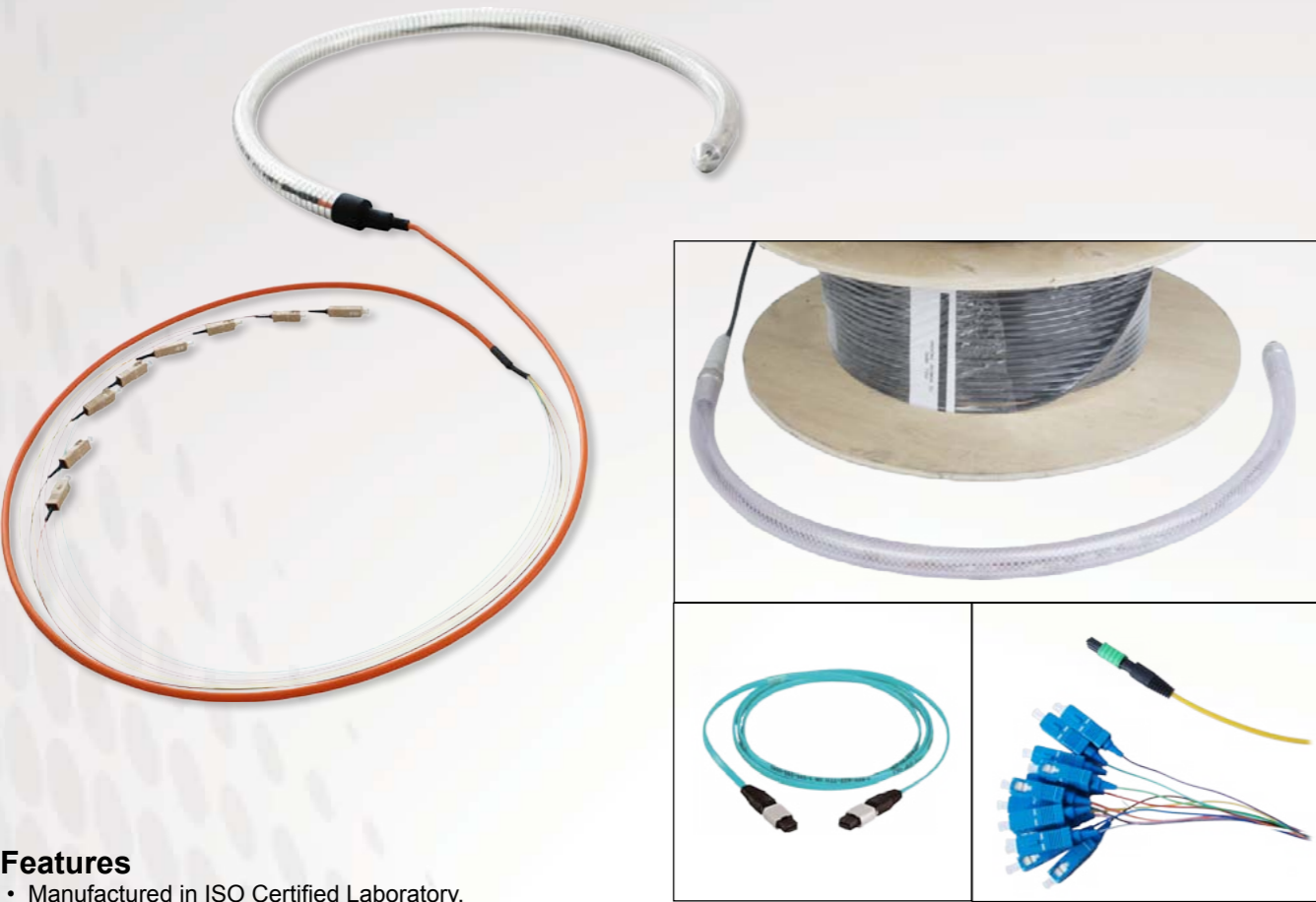
Part Number Configuration

End A	End B	Duplex or Simplex	Fibre Type	Cable Type	Length
LCA	LCA	D	OS1	YEL	01
FC=FC ST=ST SC=SC LC=LC E2=E2000 ... A=APC	FC=FC ST=ST SC=SC LC=LC E2=E2000 ... A=APC	D=Duplex S=Simplex	PC=Patch Cord  OS1=OS1 OS2=OS2 655=G. 655 657=G. 657 OM1=OM1 OM2=OM2 OM3=OM3 ...	YEL=Yellow OR=Orange AQ=Aqua ...	01=1 Metre 02=2 Metres 03=3 Metres ...

Example: LCALCADPCOS1YEL01 - LC/APC-LC/APC Singlemode Duplex Patch Cord 1m Yellow

Pre-terminated Fibre Optic Cables

We offer both 1XN types multi fibre cable assemblies for e.g. Multimode MPO/MTP to 12 connectors and NXN types like 12 SC UPC to 12 LC APC. We can use bundle fibre cable (Loose Tube, Tight buffered, Breakout, Steel Tape Armoured) or ribbon fibre cable (6, 8 or 12 fibres).

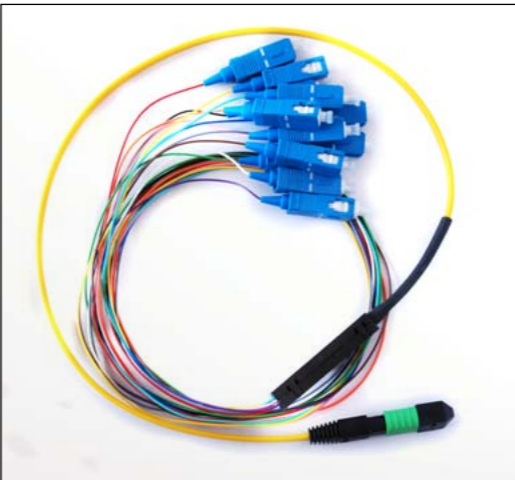


Features

- Manufactured in ISO Certified Laboratory.
- Plug-and-Play Fibre eliminates the need for complicated sensitive field terminations and splices
- Short lead time for non standard and specific on demand pre-terminated solutions
- Every fibre component is laboratory-terminated and pre-tested using automated procedures to ensure the quality
- All connectors (LC, SC, MT-RJ, ESCON, MU, etc.) are heat cured and use ceramic ferrules
- Available in 4, 12, 24, 36, 72, 144, or custom fibre counts
- Cable is available in plenum or Low Smoke Zero Halogen depending on the specific application
- Fibre types include single-mode, OM1 - 50/125µm, OM2 - 62.5/125µm multimode and OM3 - 50/125µm laser-optimized multimode
- Standard breakout lengths can be “staggered” or Fan-out
- Pulling eyes are optional along with robust connector protection on both ends to protect fibre connectors during shipping and installation

Applications

- Telecommunications networks
- LAN, WAN
- CCTV networks
- FTTX
- For end-to-end fibre cable connectivity



Specifications

Fibre Performance Specifications:

	ADVENTUM			
	OS1/OS2 Singlemode (9/125µm)	OM1 Multimode (62.5/125µm)	OM2 Multimode (50/125µm)	*OM3 Multimode (50/125µm 10 Gig)
Wavelength (nm)	1310/1550	850/1300	850/1300	850/1300
Attenuation (dB/km)	0.5/0.4	3.5/1.0	3.0/1.0	3.0/1.0
Bandwidth (MHz-km)	n/a	200/500	950/500	2000/500

	MINI-CORE			
	OS1/OS2 Singlemode (9/125µm)	OM1 Multimode (62.5/125µm)	OM2 Multimode (50/125µm)	*OM3 Multimode (50/125µm 10 Gig)
Wavelength (nm)	1310/1550	850/1300	850/1300	850/1300
Attenuation (dB/km)	0.4/0.3	3.5/1.5	3.5/1.5	3.5/1.5
Bandwidth (MHz-km)	n/a	>300/>300	>200/>300	>1500/>500

Cable Physical Specifications:

	FIBRE	ADVENTUM		MINI-CORE		
		OFNP	OFNR	OFNP	OFNR	LSZH
Cable Outer Diameter	12	6.6 mm	6.5mm	3.0 mm	3.0 mm	3.0 mm
	24 Round	n/a	n/a	6.0 mm	6.0 mm	6.0 mm
	24 Zip	6.2mm x 12.6mm	6.2mm x 12.6mm	4.2mm x 7.6mm	4.2mm x 7.6mm	4.2mm x 7.6mm
	36	9.4 mm	10.1 mm	9.0 mm	9.0 mm	9.0 mm
	72	11.7 mm	11.9 mm	11.2 mm	11.2 mm	11.2 mm
Weight	144	17.6 mm	18.1 mm	17.5 mm	17.5 mm	17.5 mm
	12	48.0 kg/km	45.0 kg/km	14.0 kg/km	14.0 kg/km	14.0 kg/km
	24 Round	n/a	n/a	30.0 kg/km	30.0 kg/km	30.0 kg/km
	24 Zip	80.0 kg/km	80.0 kg/km	31.0 kg/km	31.0 kg/km	31.0 kg/km
	36	82.0 kg/km	82.0 kg/km	70.0 kg/km	70.0 kg/km	70.0 kg/km
Operating Temperature	72	101.0 kg/km	132.0 kg/km	98.0 kg/km	98.0 kg/km	98.0 kg/km
	144	315.0 kg/km	336.0 kg/km	190.0 kg/km	190.0 kg/km	190.0 kg/km
	12~144	-40°C to +75°C	-40°C to +75°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C



Ordering Information

CABLE LENGTH

BREAKOUT

BREAKOUT

ALIGNMENT A (fan-out)

ALIGNMENT B (staggered)

END A (pulling eye this end)

END B

BREAKOUT LENGTH IN CM

BREAKOUT LENGTH IN CM

FIBRE COUNT  
FIBRE TYPE  
CABLE TYPE

Fibre Count	End A	Alignment A	Fibre Type	Cable Type	End B	Alignment B	Length	
P	12	SC	S	OM1	TB	LC	F	01
4	FC=FC	S=Staggered	OS1=OS1	LT=Loose Tube	FC=FC	S=Staggered	01=1 Metre	
6	ST=ST	F=Fan-out	OS2=OS2	STA=Steel Tape	ST=ST	F=Fan-out	02=2 Metres	
8	SC=SC		655=G. 655	Armoured	SC=SC		03=3 Metres	
12	LC=LC		657=G. 657	TB=Tight Buffer	LC=LC		...	
16	E2=E2000		OM1=OM1	BO= Breakout	E2=E2000			
24	...		OM2=OM2	RF=Ribbon Fibre	...			
48			OM3=OM3					
72								
144	A=APC				A=APC			

Example: P12SCSOM1TBLCF01 - SC Staggered to LC Fan-out OM1 Tight Buffered Pre-Terminated Cable - 1m

CABLE LENGTH

BREAKOUT

ALIGNMENT A (fan-out)

END A (pulling eye this end)

BREAKOUT LENGTH IN CM

FIBRE COUNT  
FIBRE TYPE  
CABLE TYPE

Fibre Count	End A	Alignment A	Fibre Type	Cable Type	Length	
P	12	SC	S	OM1	TB	01
4	FC=FC	S=Staggered	OS1=OS1	LT=Loose Tube	01=1 Metre	
6	ST=ST	F=Fan-out	OS2=OS2	STA=Steel Tape	02=2 Metres	
8	SC=SC		655=G. 655	Armoured	03=3 Metres	
12	LC=LC		657=G. 657	TB=Tight Buffer	...	
16	E2=E2000		OM1=OM1	BO= Breakout		
24	...		OM2=OM2	RF=Ribbon Fibre		
48			OM3=OM3			
72						
144	A=APC					

Example: P12SCSOM1TB01 - SC Staggered OM1 Tight Buffered Pre-Terminated Cable - 1m

Special Fibre Optic Assemblies

Bend Safe & Bend Insensitive Patch Cords & Pigtails

- Available for Simplex/Duplex and in specified lengths
- Low insertion loss
- Individual test report
- Environmentally stable
- Lower optical power loss under bend conditions
- As high performance and quality as a standard patch cord
- Available in single mode G.657A1 and G.657A2 as well as OM3 and OM4
- Perfect solution when routing cable in tight spaces & corners



Armoured Patch Cords & Pigtails

- Available in all fibre types
- Available in different lengths
- RoHS compliant
- Conform to IEC, EIA-TIA, and Telecordia standards
- Easy installation
- Suitable for different applications' types as Army, FTTx, Broadband, LAN, WAN and harsh environment,
- Built with stainless steel tube; tensile strength ≥ 20 kg
- Insertion loss is ≤ 0.2 dB; Return loss ≤ 55 dB



Waterproof Patch Cords & Pigtails

- Strong PE jacket and waterproof sealed head connectors
- Good reliability and stability
- Environment stability
- Low insertion loss, high return loss good interchange ability and repeat push-pull performance
- Simplex and duplex patch cords available
- Single mode and Multi mode optional
- Easy installation, simple but reliable
- Various connect interfaces optional



Master Test Patch Cords

- Designed for optical performance test applications
- Terminated to the highest quality for transmission quality
- Available in all Singlemode and Multimode fibre types
- Available in all connector types
- Available in most lengths
- Suitable for testing labs and telecom and data centre installations
- Conforms to EIA-TIA, Tellcordia and IEC standards
- RoHS compliant



Attenuated Patch Cords

- Combines the functions of an attenuator and a cable assembly
- Low back reflection
- 1310nm and 1550nm support
- Conforms to EIA/TIA standards
- Inexpensive compared to traditional attenuator approaches
- Applicable in telecommunication, CATV, LAN & WAN, Networks, Broadband and FTTP



More Special Assemblies available, please contact us for a Specialist Catalogue.

Fibre Optic Connectors

Linxcom offers singlemode and multimode, regular and irregular types (epoxy types): SC, SC/APC, FC, FC/APC, ST, LC, LC/APC, MU connectors. In our ISO Fibre optic termination laboratories, we make sure that every connector that leaves our production is tested and performs as per the International Industrial standards, which permits our connectors to allow the lowest Insertion and return loss.

Applications

- Telecommunications networks
- LAN, WAN
- CCTV networks
- FTTX
- For end-to-end fibre cable connectivity

Specifications

Specifications for SC / ST / FC and LC connectors

Singlemode

- **Insertion loss:** Typical 0.2dB
- **Return Loss:** UPC Typical 55dB and APC Typical 65dB

Multimode

- **Insertion loss:** Typical 0.2dB

Optically and mechanically compatible with all equivalent connectors.

Mechanical

- Ferrule Diameter: 2.5 ± 0.001mm for Multimode / 2.4990 ± 0.0005 for Singlemode
- For LC 1.2463-1.2495mm for Multimode / 1.2485-1.2495 for single mode
- R 10 to 25mm
- Tensile Strength: >50N

Vibration

- 10-55 Hz, 1.5mm P to P

FC Connector



LC Connector



SC Connector



ST Connector



LC/APC Connector



Ordering Information

Connector Type

SCA

FC=FC  
ST=ST  
SC=SC  
LC=LC  
E2=E2000  
...  
A=APC

Simplex/Duplex

SX

SX=Simplex  
DX=Duplex

Fibre Type

C

SM=Singlemode  
MM=Multimode

Boot Diameter

SM

3=3mm  
(FC, SC or ST Boot)  
2=2mm  
(LC or MU Boot)  
9= 900um  
(Pigtail Boot)

Connector Colour

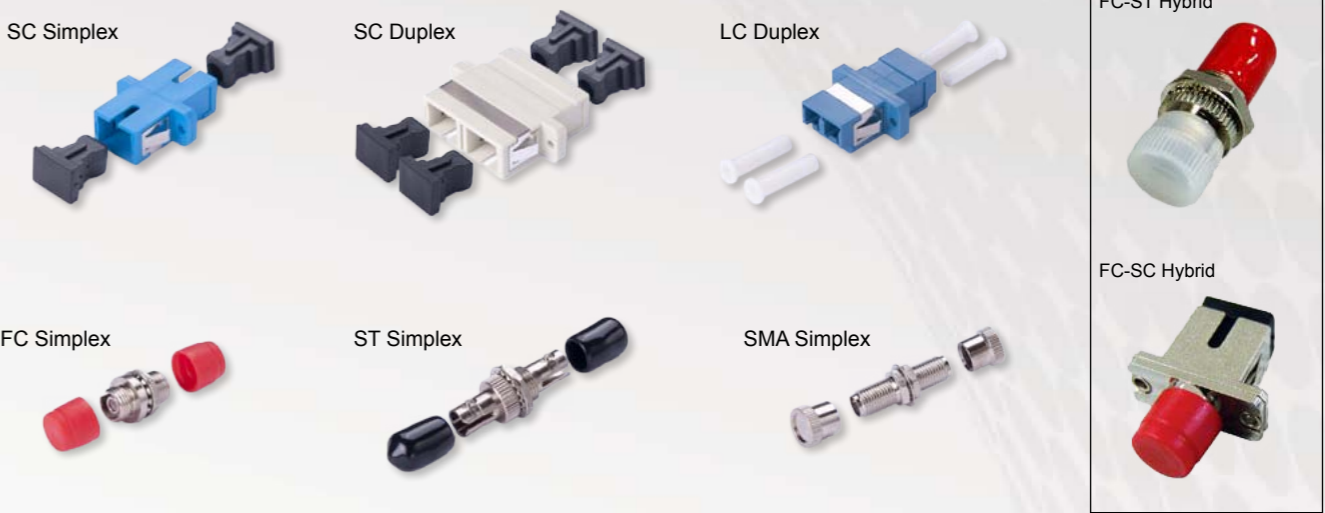
3

GR=Green  
(APC)  
BL=Blue  
(Singlemode)  
BE=Beige  
(Multimode)

Example: SCASXCSM3GR - SC/APC Simplex Adapter 3mm Green Boot

Fibre Optic Adapters

Our adapters are made with high precision machines which ensure precise alignment for the connectors when they are plugged in. We offer many kinds of fibre optic adapters for example LC to LC Duplex, ST to ST simplex, SC to SC simplex or duplex FC to FC. Also, in some applications, there's a need to patch different types of connectors, so that's why we supply all possible combinations, for example SC to ST, SC to LC, and FC to ST.



Features & Benefits

- Manufactured in ISO Certified Laboratory
- Female to Male Hybrid Adaptor
- Application for System Requirement
- Saving Cost
- Meet Bellcore GR-326 Standard

Applications

- Telecommunications networks
- LAN, WAN
- CCTV networks
- FTTX

Specifications

Female to Female		Male to Female	
Insertion Loss:	≥0.2dB	Insertion Loss:	≤0.2dB
Durability (500 Mating):	0.2dB Max Increase	Return Loss:	≥40/50/60dB
Operating Temperature:	-40°c~85°c	Durability (1000 Mating):	0.2dB Max Increase
Storage Temperature:	-40°c~85°c	Operating Temperature:	-40°c~85°c
		Storage Temperature:	-40°c~85°c

Ordering Information

Connector Type

FC

FC=FC  
ST=ST  
SC=SC  
LC=LC  
E2=E2000  
...  
A=APC

Simplex/Duplex

SX

SX=Simplex  
DX=Duplex

Fibre Type

SM

SM=Singlemode  
MM=Multimode

Connector Colour

A

A=Adaptor

Connector Colour

RE

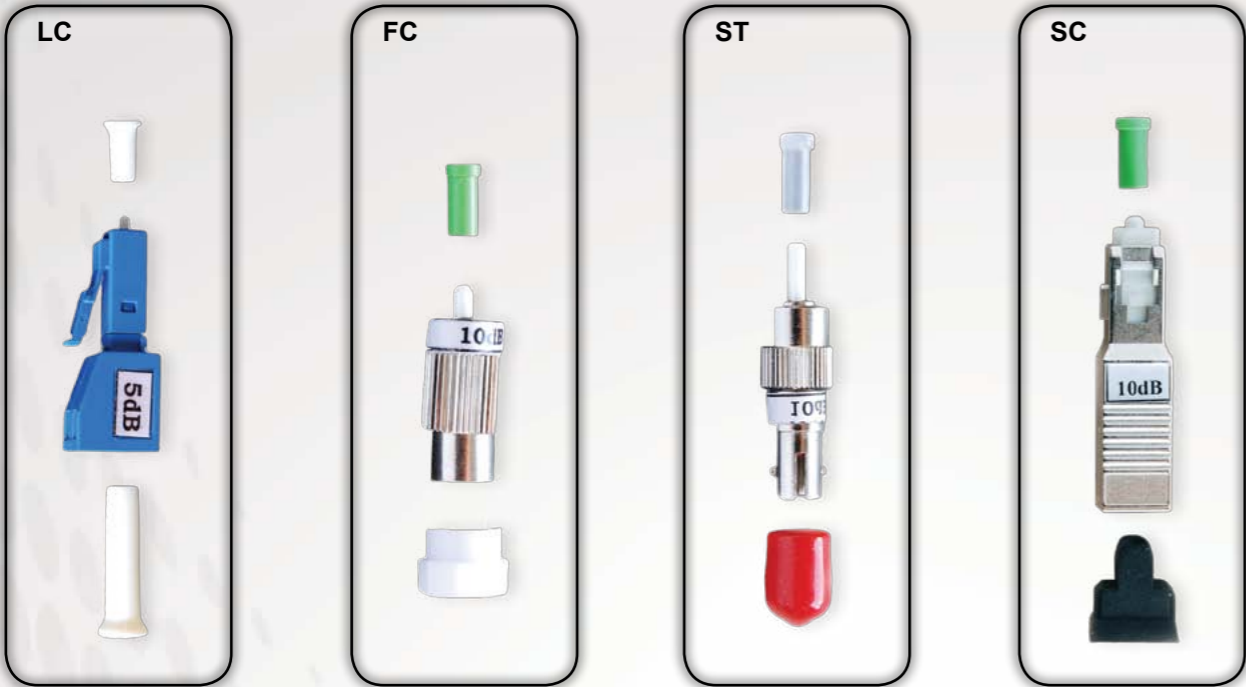
BL=Blue  
BE=Beige  
GR=Green  
(APC)  
BK=Black  
RE=Red

Example: FCSXSMARE - FC Simplex Singlemode Adaptor Red Boots

For male to female adaptors, add another connector type at the start of the product code.

Fibre Optic Attenuators

Fibre optic attenuators can be designed to use with various kinds of fibre optic connectors. The attenuators can be female to female known as bulkhead fibre optic attenuator or male to female known as a plug fibre optic attenuator. Bulkhead and plug types are designed without cables; another type inline fibre optic attenuator is designed with a short length of fibre optic cable. We offer Attenuators with connect types: FC, FC APC, LC, LC APC, SC, SC APC and ST.



- Features**
- Low back reflection
  - Wide wavelength range
  - Polarization insensitive
  - Compact and rugged housings
  - Wide range of connectors/receptacles
  - Hybrid style attenuator using attenuating fibre
  - Attenuating fibre patch cords utilizing new patent pending technique: No splicing
  - Mode independent multimode loopback attenuators
  - Designed to meet Telcordia requirements

- Applications**
- Optical power equalization
  - CATV, LAN, and telecommunications
  - Test and measurement
  - Channel balancing for WDM systems
  - Receiver padding
  - Optical transmission systems
- Specifications**
- Attenuation level: 1-9dB (±0.5dB); 10-20Db (±5%)
  - Attenuation tolerance: ±0.5dB (1-9dB); ±5% (10-20dB)
  - Back reflection: ≤50dB (PC); ≤60dB (APC)
  - Polarization dependent loss: ≤0.5dB
  - Operating temperature: -20°C~70°C
  - Storage temperature: -40°C~80°C

Ordering Information

Connector Type	Polishing Type	Fibre Type	Attenuation
FA	U	SM	05D
SC	U=UPC A=APC	SM=Singlemode MM=Multimode	05D=5dB 07D=7db 10d=10dB
FC=FC ST=ST SC=SC LC=LC ...			

Example: FASCUSM05D - SC/UPC Singlemode Fixed Attenuator 5dB

Special Fibre Optic Components

Field-Installable Connectors

Linxcom field-installable connectors are fast, easy, hassle-free and reliable. No epoxy, No polishing No crimping.



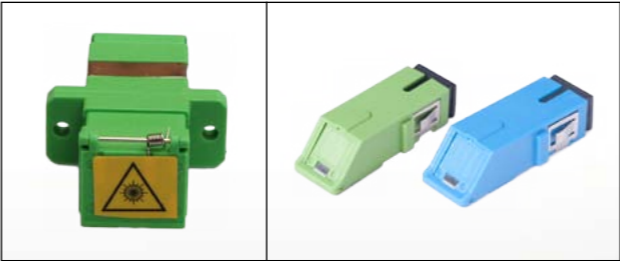
- Features & Benefits**
- Fast: installable in less than 5mns
  - Easy: No need for crimping or polishing,
  - Hassle-free: No need for epoxy, glue, syringes, termination kit
  - Reliable: we guarantee an IL ≤ 0.40dB and a RL ≥ 50dBV
  - Available in Singlemode and Multimode
  - Complies to IEC, Telcordia and EIA/TIA standards
  - Compatible with other SC connectors as well as SC adapters
  - Available also in LC



Shuttered Adapters

Linxcom adapters with shutters come with high precision zirconia alignment sleeve. It has a spring-loaded plastic shutter for dust, germs protection and laser safety.

- Features & Benefits**
- Perfect for FTTH applications
  - High precision alignment sleeve
  - Protective whilst keeping adapters clean
  - Low insertion loss
  - RoHS compliant
  - Complies with IEC 61754-4, IEC 60784-14 and TIA 604-3



More Special Components available, please contact us for a copy of our Special Components and Assemblies Catalogue, for more information or a quotation.

Fibre Optic Patch Cables

Linxcom patch cables are ideal for use for LAN connections, patch cords, pigtails and internal point-to-point links (data cabinets, equipment rooms, wall outlets and computers). With 900µm buffered fibre, the cable is suitable for industry standard connectors and can be easily made into assemblies. The below cables can be supplied in OM1, OM2, OM3, OM4 and OS1/2, they can also be supplied in PVC or LSZH jackets.

Simplex Patch Cable



Type	Outer Diameter (mm)	Weight (kg/km)	Tensile Strength (N)		Min. Bend Radius (mm)		Crush Resistance (N/10cm)		Temperature	
			Short-term	Long-term	Dynamic	Static	Short-term	Long-term	Storage	Operating
LXMSCIC-1	2.0	4.5	100	60	60	30	100	500	-20°C ~+ 60°C	-20°C ~+ 60°C
	2.4	6.0								
	3.0	7.8								

Duplex Patch Cable



Outer Diameter (mm)	Temperature	Crush Resistance (N/cm)	Min. Bend Radius		Tensile Strength	
			Installed	Installation	Installed	Installation
5.7	-20~+70°C	1000	10D	20D	160	80
6.7					160	80
8.22					200	100
13.2					300	150

Flat Duplex Patch Cable



Type	Cable Diameter (mm)	Weight (kg/km)	Tensile Strength (N)		Min. Bend Radius (mm)		Crush Resistance (N/10cm)		Temperature	
			Short-term	Long-term	Dynamic	Static	Short-term	Long-term	Storage	Operating
LXMDIC-2	3	8	200	100	60	30	100	500	-20°C ~+ 60°C	-20°C ~+ 60°C

Flat Ribbon Multi Fibre Patch Cable



No. of Cores	Temp.	Crush Resist. (N/cm)	Min. Bend Radius		Tensile Strength (N)		Cable O.D. (mm)	Cable Weight (kg/km)	Outer Sheath	UV Fibre	Strength Member
			Installed	Installation	Short-term	Long-term					
4	-20~+70°C	500	25D	35D	200	80	3.5*2.5	14	PVC/ LSZH	Silica-based fibre	Aramid yarns
6							3.8*2.5	15			
8							4.5*2.5	17			
12							5.0*2.5	19			

Single Loose Tube Fibre Optic Cable

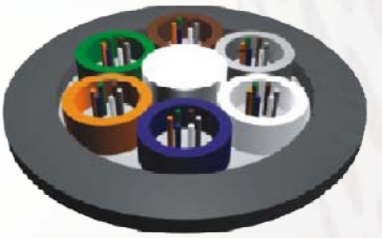
Linxcom Single Tube Fibre Optic Cable is recommended for harsher environments direct burial applications, this range of cables has been designed to be compact and to offer excellent tensile and crush performance making it suitable for a wide range of outdoor and indoor applications.



Item	Material	Description
Loose Tube	PBTP	
Strength Member	Aramid yarns	
UV Fibre	Silica-based fibre	UV colored fiber: blue, orange, green, brown, gray, white, red, black, yellow, violet, pink ,aqua
Outer Sheath	PE/LSZH	
Cable Outer Diameter (mm)		6.5
Cable Weight (kg/km)		35
Tensile Strength (N)		Long-term: 800, Short-term: 1500
Min. Bend Radius (installation)		20D
Min. Bend Radius (installed)		10D
Temperature		-40~+70°C

Multi Loose Tube Fibre Optic Cable

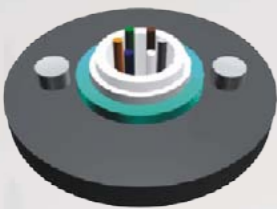
Linxcom Multi Loose Tube Fibre Optic Cable similar to Single Loose Tube is recommended for harsher environments direct burial applications but on larger applications/projects. This range of cables has been designed to be compact and to offer excellent tensile and crush performance making it suitable for a wide range of outdoor and indoor applications.



Item	Material	Description
Central Strength Member	FRP	
Loose Tube	PBTP	
Tensile Strength (N)		Long-term: 600, Short-term: 1500
Binder	Polyester yarn	Cable core binding
UV Fibre	Silica-based fibre	UV colored fiber: blue, orange, green, brown, gray, white, red, black, yellow, violet, pink ,aqua
Outer Sheath	PE	Nominal Thickness: 2.0mm
Number of Cores		24      48      69      144
Cable Outer Diameter (mm)		10      11.1      12.8      16
Cable Weight (kg/km)		80      105      140      202
Temperature		-40~+70°C

Single Loose Tube Steel Tape Armoured Cable

Linxcom Lose Tube Steel Tape Armour Fibre Optic Cable is recommended for harsher environments direct burial applications. The steel tape armoured single and multi tubes cable range has been designed to be compact and to offer excellent tensile and crush performance making it suitable for a wide range of outdoor and indoor applications.



Item	Material	Description				
Tensile Strength (N)		Installed: 600, Installation: 1500				
Crush Resistance (N/10 cm)		2000				
Strength member	Steel Wire	Outer Diameter: 1.5mm*2				
Loose tube	PBTP					
Armouring	PSP Tape					
UV Fibre	Silica-based fibre	UV colored fiber: blue, orange, green, brown, gray, white, red, black, yellow, violet, pink, aqua				
Outer Sheath	PE	Nominal Thickness: 2mm				
Number of Cores		4	6	8	12	24
Cable Outer Diameter (mm)		9.4			10.7	
Cable Weight (kg/km)		95			130	
Temperature		-40~70℃				

Single Tube Tight Buffered Fibre Optic Cable

Linxcom Tight Buffered Fibre Optic Cable is recommended for indoor cable as well as Outdoor applications due to light struc- ture which also enables easy and fast installation. This cable is Waterproof, rodent protected, provided by adequate amount of E glass yarn, suitable to be installed with blowing (ploughing method).



Item	Material	Description			
Centre strength member	FRP				
Strength member	Aramid yarns				
UV Fibre	Silica-based fibre	UV colored fiber: blue, orange, green, brown, gray, white, red, black, yellow, violet, pink, aqua			
Outer sheath	PVC/LSZH				
Number of Cores		4	8	12	24
Cable Outer Diameter (mm)		4.8	6.2	6.8	8.4
Cable Weight (kg/km)		23	35	46	66
Tensile Strength(N)	Long-term	90	160	200	240
	Short-term	270	480	600	720
Min. Bend Radius		Installation: 20D, Installed: 10D			
Temperature		-20~+70°C			

Multi Loose Tube Steel Tape Armoured Cable

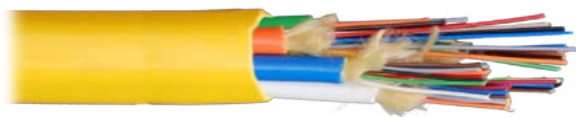
Linxcom Multi Loose Tube Steel Tape Armoured Fibre Optic Cable, similar to Single Loose Tube is recommended for harsher environments direct burial applications but on larger applications/projects. This range of cables has been designed to be com- pact and to offer excellent tensile and crush performance making it suitable for a wide range of outdoor and indoor applica- tions.



Item	Material	Description	
Strength member	Steel wire		
Tensile Strength (N)		Installed: 600, Installation: 1500	
Crush Resistance (N/10 cm)		2000	
Loose tube	PBTP		
Armouring	PSP Tape		
UV Fibre	Silica-based fibre	UV colored fiber: blue, orange, green, brown, gray, white, red, black, yellow, violet, pink, aqua	
Outer sheath	PE	Nominal Thickness: 2mm	
Number of Cores		4~24	48
Cable Outer Diameter (mm)		9.9	11.4
Cable Weight (kg/km)		110	140
Temperature		-40~70°C	

Multi Tube Tight Buffered Fibre Optic Cable

Linxcom Multi Tube Tight Buffered Fibre Optic Cable like Single tube is recommended for indoor cable as well as Outdoor applications due to light structure which also enables easy and fast installation but on larger scale applications and projects. The Non Metallic Construction (all dielectric structure) prevents electromagnetic interference and enables application in power lines side by side with energy cables.



Item	Material	Description			
Centre strength member	FRP				
Strength member	Aramid yarns				
UV Fibre	Silica-based fibre	UV colored fiber: blue, orange, green, brown, gray, white, red, black, yellow, violet, pink, aqua			
Outer sheath	PVC/LSZH				
Number of Cores		36	48	72	96
Cable Outer Diameter (mm)		20.5	20.8	25.5	28.5
Cable Weight (kg/km)		330	420	580	690
Tensile Strength(N)	Long-term	400			
	Short-term	1300			
Min. Bend Radius		Installation: 20D, Installed: 10D			
Temperature		-20~+70°C			

Fibre Optic Breakout Cable

Linxcom breakout cables come with Central aramid yarn strength member and very high performance sheath material. Every subunit is jacketed and has its aramid yarn strength member. The breakout cables are perfect for pre-terminated cables and cut to the length assemblies thanks to their construction, easy holding and robust construction for indoor use.



Item	Material	Description	
Central strength member	FRP		
Strength member	Aramid yarns		
UV Fibre	Silica-based fibre		
Outer sheath	PVC/LSZH	UV colored fibre: blue, orange, green, brown, gray, white, red, black, yellow, violet, pink, aqua	
Number of Cores		12	24
Cable Outer Diameter (mm)		12.5	16
Tensile Strength (N)		Long-term: 250, Short-term: 800	Long-term: 250, Short-term: 800
Cable Weight (kg/km)		190	250
Min. Bend Radius (installation)		20D	
Min. Bend Radius (installed)		10D	
Temperature		-20~+70 ° C	

Dual Sheath Multi Loose Tube Armoured Cable



Item	Material	Description
Sheath	PE	Nominal thickness: Outer: 2mm, Inner: 1mm
Binder	Polyester Yarn	Cable core binding
Water blocking tape & yarn	Water blocking tape & yarn	Water blocking & moisture proof
Loose tube	PBTP	O.D: 1.9mm; Nominal thickness: 0.35mm; fiber cores: 6
Filler	PP	Diameter: same as tube Colour: Natural
Tube filling compound	Thyrotrophic gel	Water Blocking & Moisture Proof
UV Fibre	Silicon-based fiber(G.652D)	UV coloured fiber in sequence of blue, orange, green, brown, grey, white
Steel armoured tape	Plastic-steel	Thickness: 0.25mm
Centre Member	FRP	Diameter: 2.5mm
Cable Outer Diameter		14.5±0.5mm
Cable weight		200±15kg/km
Allowable tensile strength (N)		Long term:3000N, Short term:1000N
Allowable crush resistance (N)		Long term:3000N/10cm, Short term:1000N/10cm
Operation temperature		-40 ° C +70 ° C

OPGW Fibre Optic Cable



Structural Specifications

	Name	No.	Name	No.	Material Diameter
Fibre	G.652	24	G.655	0	
Centre	SUS Tube	1	Fibres	24	3.9mm
Layer1	27%ASwire	3	40%ASwire	3	3.9mm

Technical Specifications

Cable Diameter	11.70mm
Cable Weight	413kg/km
Supporting Cross Section	72mm²
Ultimate Tensile Strength	63.1kN
Rated Tensile Strength	59.9kN
Modulus of Elasticity	124.5kN/mm²
Thermal Elongation Coefficient	14.3 x 10 <sup>-2</sup> °C
Permissible Maximum Working Stress (40%RTS)	334.4N/mm²
Everyday Stress (16~25% RTS)	133.8~209N/mm²
Ultimate Exceptional Stress (70% RTS)	585.2N/mm²
DC Resistance	0.728Ω/km
Short Time Current	6.45kA
Short Time Current Capacity	41.5kA²s
Minimum Bend Radius (Installation)	234mm
Minimum Bend Radius (Installed)	175mm
Ratio between Pull and Weight	14.8km
Installation Temperature	-10°C~+50°C
Transportation and Operation Temperature	-40°C~+80°C

Cable Packing Information

Most cable is available on 2km or 4km reels, although cable can be cut and reeled to requirement.

All cable is put onto special reels specific to the requirement, length and cable size.

All cable is available in customised coloured jackets to customer specification.

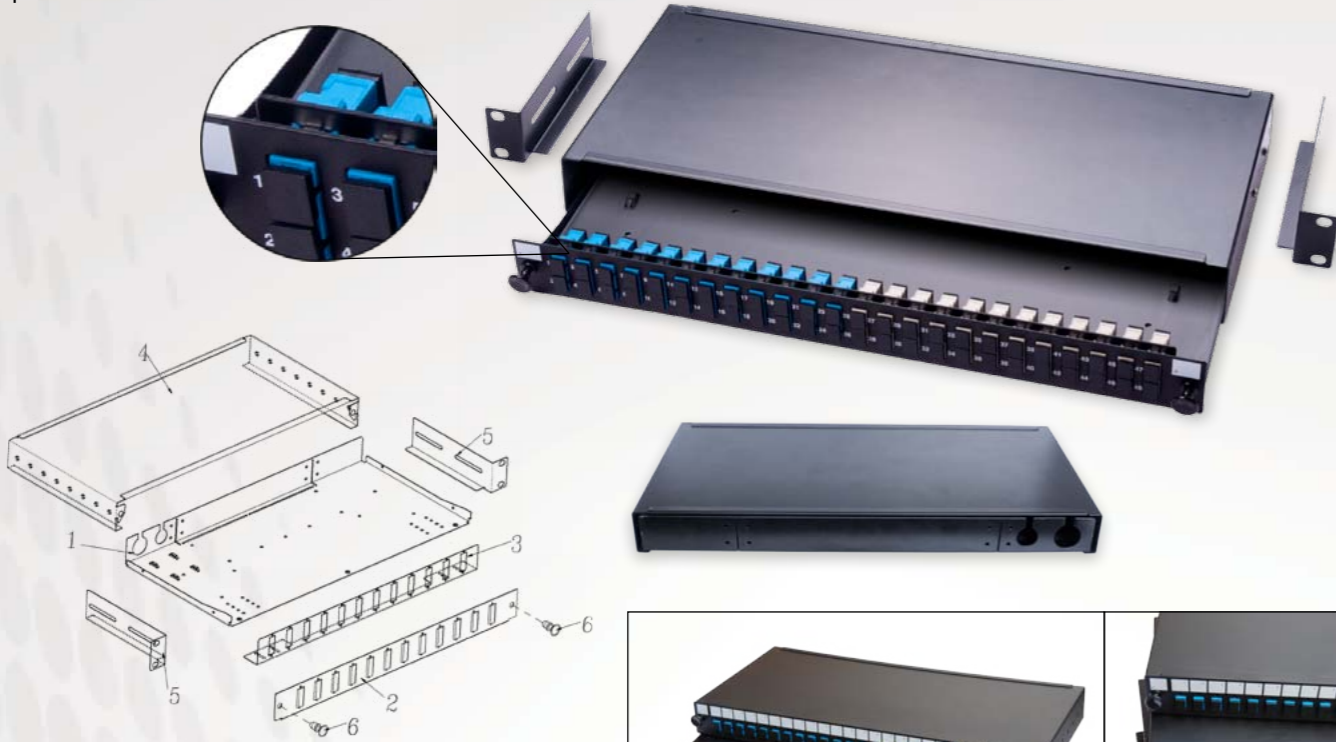
More types of Fibre Optic Cable available, please contact us for a copy of our Fibre Optic Cable Catalogue or for a quotation.



Indoor Fibre Management

Fibre Optic Patch Panels - Sliding

Linxcom designs and manufactures removable front and robust 1U sliding patch panels. The patch panel comes in few parts: the universal chassis (top and bottom) and the removable front frames designed to accept up to 48 fibres housed within a 1U space.



Features & Benefits

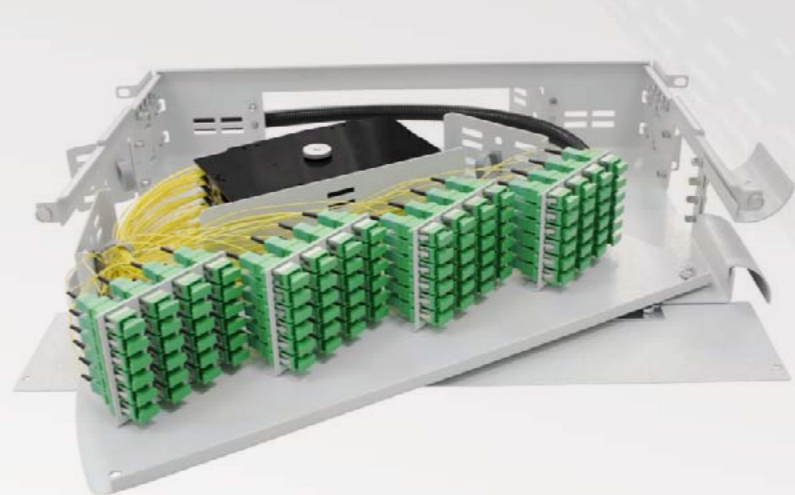
- Robust 19" 1U sliding patch panel
- Removeable front
- Recessed adapters
- Brackets for a recessed panel and better a bend radius for patch cords
- 180° or 45° open working angle for very easy access
- Individually labelled ports
- 2 cable entry sizes and knock-out plate
- Built-in strength member tie positions
- Multi adaptor options available and 24 adaptor positions
- Accepts loose tube, distribution, break-out and pre-terminated cables

Specification

U Size	1U (44.4mm)	Cable Entry 25mm	1
Width	482mm	Mounting Adjustment Range	50mm
Depth	205mm	Material	Cold-rolled steel
Net Weight	2.75kgs	Material Thickness	1.2mm
Packaged Weight	3.25kgs	Material Coating	Powder
Packaged Dimensions	450(W)*55(H)*260(D)mm	Colour	RAL 9004
IP Rating	20	Operating Temperature	-40°c to +50°c
Suitable Adapter Type	Dependent on removable front	Accordance	TIA/EIA 568.C, ISO/IEC 11801, ENS50173, IEC60304, IEC61754, EN297-1
Cable Entry 20mm	1	Compliant	RoHS, Reach/SVHC

Fibre Optic Patch Panels - Pivoting

The 19" FTTx Patch Panel is designed for compact and high density system for FTTx applications, this solution allows easy access to the front patch cords as well as the splice trays and pigtails after being pulled out.



Features & Benefits

- Made from high quality materials and designed for easy access for installers and network administrators.
- Swing-out tray and Swing-open front for easy access, minimizing the movement of cables.
- Adapter mounting without screws.
- Adjustable mounting ears for mounting in various cabinet sizes.

Height	2U
Loading Capacity	96 SC Ports or 192 LC Ports
Opening	Swing Front and Swing Tray
Inside Slicing Area	Adjustable Mounting Depth
Cable Entry	Side or Rear

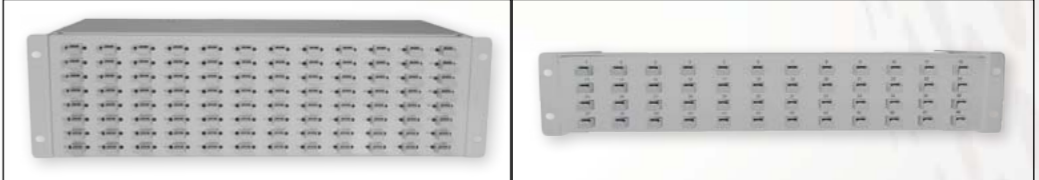
Fibre Optic Patch Panels - Fixed

Linxcom has designed high quality and density range of 19" fixed patch panels in 2U, 3U and 4U sizes. This is a cost effective patch panel, that you can store bulk chassis' and interchange the adaptor front frames to suit any application or urgent need.



Features & Benefits

- Available in 1U, 2U, 3U and 4U heights
- Max. loading capacity of 144 SC ports or 288 LC ports
- Easy opening
- Adjustable mounting depth
- Side or rear cable entries
- Seperate adaptor frame and chassis for easy bulk stock storage



Ordering Information

Size	Construction	Adapters	Simplex/Duplex	Fibre Type	Ports
1U	SPP	SC	DX	EM	12
1U=1U 2U=2U 3U=3U 4U=4U	SPP=Sliding PPP=Pivoting FPP= Fixed	FC=FC ST=ST SC=SC LC=LC ...	SX=Simplex DX=Duplex	SM=Singlemode MM=Multimode EM=Empty Panel	12 24 48 ... 192
A=APC					

Example: 1USPPSCDXEM12 - 1U SC Duplex 12 Port Empty Sliding Patch Panel

LGX Modular Patching Chassis & Modules

The LGX Chassis is designed to mount various equipment compatible with the LGX format such as MPO/MTP, as well as standards and regular patching (SC, LC ...) modules. The patch panel can be mounted to the front or rear of 19" racks.



Features & Benefits

- Height 3U
- Compatible with LGX standards
- Adjustable mounting brackets
- 13 modules capacity
- High density: up to 312 fibres
- Simple module mounting
- Splicing option available with wide range of cassette types
- Perfect for MTP installation

Specifications

Width	241mm
Depth	240mm
Height	133mm
Weight	3.5kg
Capacity	13 modules
Colours	RAL 7035, 7021 or 9005

Ordering Information

Chassis:  
Replace **XXX** in the product code with the colour required, i.e. LGX**BLK**3U.

Product Code	Size	Colours
LG <b>XXX</b> 3U	3U	Black ( <b>BLK</b> ), White ( <b>WHT</b> ) & Grey ( <b>GRY</b> )

Modules:  
Additional to the modules you can have pigtails fitted. Add **/P** to the end of the product code for pigtails.

Adapter Type

Fibre Type

Simplex/Duplex

No. of Adapters

Pigtails

SC

SM

SX

6

M

LGX

/P

FC=FC  
ST=ST  
SC=SC  
LC=LC  
E2=E2000  
...  
A=APC

SM=Singlemode  
MM=Multimode

SX=Simplex  
DX=Duplex

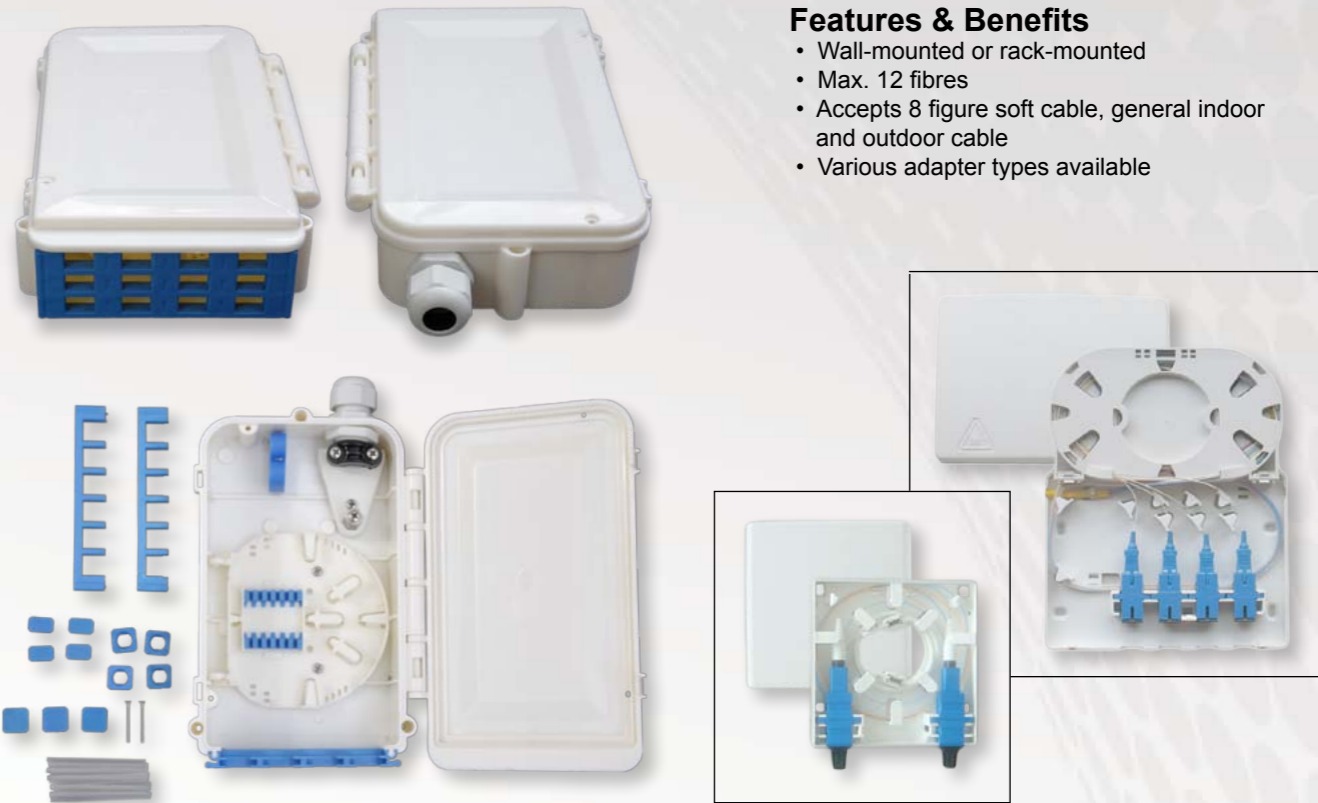
6  
8

Add only if appropriate

Example: SCSMSX6MLGX/P - 6x SC Simplex Singlemode Adapter Module with Pigtails

Fibre Optic Terminal Boxes - Indoor

Linxcom optical distribution boxes are light and compact whilst maintaining fibre storage and minimum bend radius, and are installed the same way for both indoor and outdoor cabling boxes.



Features & Benefits

- Wall-mounted or rack-mounted
- Max. 12 fibres
- Accepts 8 figure soft cable, general indoor and outdoor cable
- Various adapter types available

Ordering Information

Replace **XX** in the product code with the number of adapters required, and replace **XX** with the type of adapters required. i.e. LXMWO62DW**12SC**.

Product Code	Use	Cable Entries	Max. No. of Fibres	Available Adaptors
LXMWO62DW <b>XXX</b>	Indoor	3	12	SC, LC, FC, ST, E2000
LXMUWO62FN <b>1XXX</b>	Indoor	1	4	SC, LC, FC, ST, E2000
LXMUWO62FN <b>3XXX</b>	Indoor	1	2	SC, LC, FC, ST, E2000

Fibre Distribution Frames

Features & Benefits

- Made with high quality materials
- Available in Steel, Aluminium, electrostatic plastic spraying and pre-galvanization coatings
- Every module can hold 6 trays with a capacity of 24 LC or 12 FC or SC per tray
- Available in 3 sizes; 7, 8 or 12 module models
- Angled installed adapters for comfortable patching and offering more security than 90° installed adapters

Sizes & Specifications

Size 1: 7 Modules: FC/SC 504, LC 1008 capacity  
Size 2: 8 Modules: FC/SC 576, LC 1152 capacity  
Size 3: 12 Modules: FC/SC 864, LC 1728 capacity  
Temperature: -5°C to +60°C  
Humidity: 90% at 30  
Air Pressure: 70kPa – 106kPa

Please contact us for more information or to order any Fibre Distribution Frames.



Fibre Optic Distribution Wall Boxes

Linxcom offers optical distribution boxes designed to apply in the patching and splicing of indoor/outdoor optical fibre communication links, available for the connection of optical cable and optical splitters. These boxes are convenient for installation and maintenance.



Features & Benefits

- Composed of 3 parts: Case chassis, Splice tray & Adaptor Fixing Frame
- Double sectioned for Splicing and Patch Cords
- Plastic rings to ensure bend radius
- Available for various adapters including: SC, LC, FC, ST, E2000
- Fixing frame for easy operation and to avoid damaging the fibres
- Cable entries on the bottom and protected by rubber seals.
- Available with double doors and locks.

Specifications

MECHANICAL	
Dimensions	430*300*70mm
OPERATING	
Temperature	-45°C ~+85°C
Relative Humidity	≤85 % (+30°C)
Atmospheric Pressure	70KPa ~ 106Kpa

Ordering Information

Additional to the Wall Box, pigtails and patch cords can be fitted. Add **“/P”** to the end of the product code for pigtails, **“/PC”** for patch cords or **“/P/PC”** for both pigtails and patch cords. Alternatively if you do not require these then remove them from the product code.

LXM

DD

WB

SC

M

24

/P

/PC

Doors

Wall Box

Adapters

Fibre Type

No. of Adapters

Pigtails

Patch Cords

DD=Double Door  
SD=Single Door

FC=FC  
ST=ST  
SC=SC  
LC=LC  
E2=E2000  
...  
A=APC

M=Multimode  
S=Singlemode

1  
...  
24

Add only if  
appropriate

Add only if  
appropriate

Example: LXMDDBWSCM24/P/PC - Double Door Wall Box with 24x SC Multimode Adapters with Pigtails and Patch Cords.

Outdoor Fibre Management

Fibre Optic Splice Enclosures - Dome

This unique enclosure which is quick and easy to install and requires no specialist tooling, can be placed in aerial, under-ground, wall-mounting, handhole mounting and duct-mounting applications. Made with high-strength, advanced formula plastic, PC, it can effectively prevent products from aging caused by cold, heat, oxygen and ultraviolet exposure.



Features & Benefits

- Up to 6 general cable ports, suitable for branch cables & uncut cable.
- Unique sealing method.
- Chemical resistant

Specifications

Function	Direct Transmission, Branching, FO Distribution
Splitter Type	Box Splitter (TAP Module)
Splitter Installation Position	Fixed Support Bracket
Max. OD Ratio	1:32
IP Rating	IP68
Optional Cables	Φ3 round cable, figure 8 soft cable, self-support soft cable, 2 fibres pipe cables (Φ5~Φ7), 4.5×8.2 flat cable, Φ11.2 armour cable
Standard Accessories	Sealing gasket 1 set, splice tray 1 set, cable fixing device 1 set, pole-mounting kit 1 set, splice protective sleeve 1 set, nylon tie

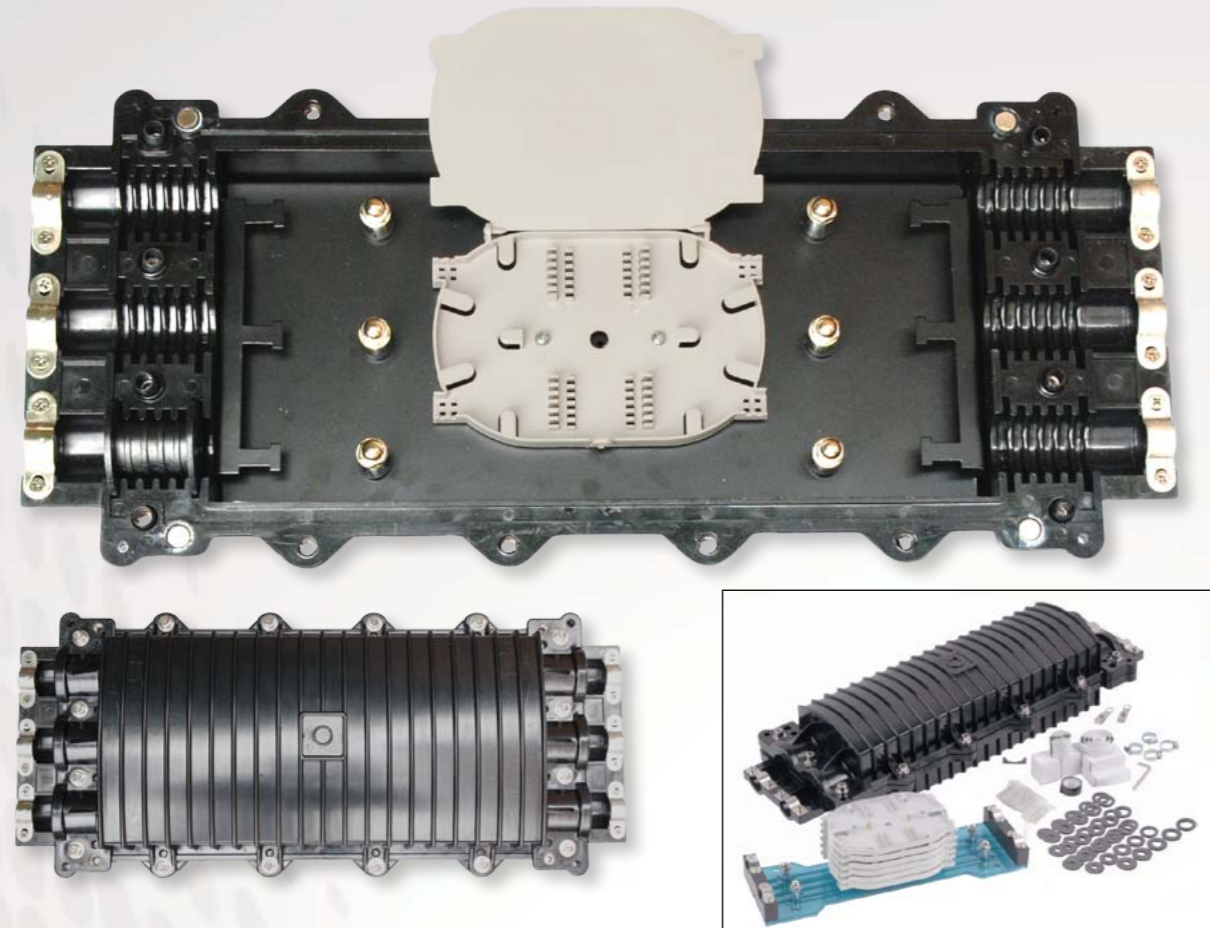
Ordering Information

Replace **XX** in the product code with the Core Size required, i.e. LXMDER01A**60**H.

Product Code	Size (mm)	Seal	Ports	Core Sizes Available
LXMDER01A <b>XX</b> H	540(H)*150(D)	Heatshrink	5 (1 large oval, 4 small)	60, 120, 180
LXMDER02A <b>XX</b> H	430(H)*130(D)	Heatshrink	6 (small)	12, 24, 36, 48
LXMDER03A <b>XX</b> H	430(H)*130(D)	Heatshrink	5 (1 large oval, 4 small)	24, 48, 72, 96
LXMDER04A <b>XX</b> H	540(H)*150(D)	Heatshrink	6 (1 large oval, 5 small)	24, 48, 72, 96, 120, 144, 168, 192, 216
LXMDER01A <b>XX</b> M	540(H)*150(D)	Mechanical	5 (1 large oval, 4 small)	24, 48, 72, 96
LXMDER02A <b>XX</b> M	540(H)*150(D)	Mechanical	6 (small)	24, 48, 72, 96, 120, 144, 168, 192, 216

Fibre Optic Splice Enclosures - Inline

Linxcom Splice Enclosures are easy and reliable to install, and provide high mechanical strength against every environmental condition. Protects fibre optic splicing points in different types of installation conditions such as wall-mounting, pylons (aerial), duct mounting and direct buried.



Features & Benefits

- Horizontal type with four to six ports
- Endure conditions such as vibration, impact, tensile cable distortion and strong temperture changes
- Reusable Silica gel seal in order to ensure an airtight waterproof performance
- No special tools required

Specifications

Material	PC or ABS
Cable Diameter	7-30mm
Max. Capacity	288 Cores
Single Tray	24 Cores

Ordering Information

Replace **XX** in the product code with the Core Size required, i.e. LXMPCCINL**24M**

Product Code	Size (mm)	Material	Seal	Cable Entries	Core Sizes Available
LXMPCCINL <b>XXM</b>	580(L)*190(W)*140(H)	PC	Mechanical	4 (2 Entry, 2 Exit)	24, 48, 72, 96, 120, 144, 168, 192, 216, 240, 264, 288
LXMPCDINL <b>XXM</b>	580(L)*255(W)*140(H)	PC	Mechanical	6 (3 Entry, 3 Exit)	24, 48, 72, 96, 120, 144, 168, 192, 216, 240, 264, 288
LXMABS01IN <b>XXM</b>	580(L)*190(W)*140(H)	ABS	Mechanical	4 (2 Entry, 2 Exit)	24, 48, 72, 96, 120, 144, 168, 192, 216, 240, 264, 288

FDH - Fibre Distribution Hub

Linxcom offers flexible design and conception for Fibre Distribution Hubs (FDH) designated for FTTH Passive Optical Networks (PON). The FDH can be used for outside and inside applications to house passive optical splitters in a variety of sizes with output fibre capacities up to 1152 splices or fibres. Optical fibre cables are used as input cables then a variety of configurations is available for output cables for the distribution of an FTTH network.



Features & Benefits

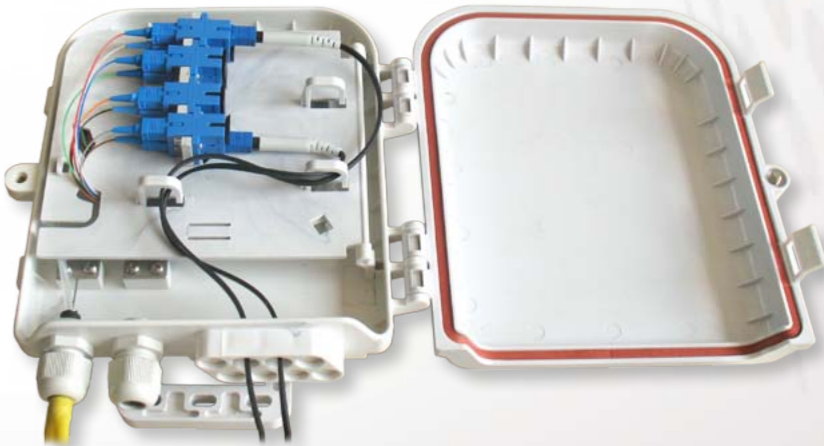
- Stand or pole mountable
- High strength, anti-aging, anti-corrosion, all weather protection
- All using a dedicated box for all edges rounded mould forming
- With double structure, filled with high-performance insulating materials with good heat insulation
- Using waterproof three-point door lock and pin lock
- 12 cores module, can be installed FC, SC, ST fibre optic adapters
- Designed for operation in a variety of climatic conditions
- Splitter modules available in either 1:16 or 1:32 configurations
- Easy storage and management for pigtails in splice bay
- Bend radius for optical fibres secured by integrated cable management
- Custom size, dimensions and materials per request
- Load capacities of 144, 288, 576, 864 or 1152 fibres
- Available in SS201+power coating, SS304 or pre-galvanized+power coating
- IP Rating up to IP65
- Point lock as standard or others available on request
- Meets Telecordia standards: GR-449 CORE, GR1221 and GR1209

Please contact us for more information or if you require any Fibre Distribution Hubs.

Fibre Outdoor Terminal Box

Features & Benefits

- Industry standard user interface
- High impact plastic
- UV and rainfall resistant
- Accommodates 1:8 or 1:4 PLC Splitter
- Up to 8 FTTH drops
- 2 inlet, 8 outlet ports
- Wall and pole mountable
- RoHS Compliant
- IP Rating: IP65
- Sutable for FTTH access, telecom, CATV, data communication network applications



Ordering Information

Product Code	Use	Cable Entries	Max. No. of Fibres	Available Adaptors
LXMODSB218001	Indoor/Outdoor	2 Inlet, 8 Outlet	8 (Splitter)	SC, LC, FC, ST, E2000

Splice Protection Sleeves



- Restore complete environmental and mechanical integrity of coating
- Outer tube conforms to MIL-I 23053/5 class 2 standards.
- Hot melt adhesive tube made from polyolefin Ethyl Vinyl Acetate copolymer bonds
- Strength member made from “Full hard” stainless steel of SAE 316 grade
- Resistant to heat shocks, no cracking dripping or flowing.
- Long term proven performance, exceeds industry standards
- Preshrink sleeves

Working Tempertaure	-50°C to 125°C
Ultimate Strength	>10.4 Mpa
Elongation	>200
Specific Gravity	0.95
Water Absorption	0.05% Max.
Shrinking Start Temperature	70°C
Fungus Resistance	Inert
Heat Resistance	1500C for 4 hrs
Cold Bending	-300C 1 hr, No crack

Length (mm)	Product Code
40	45HSPS2.4
60	60HSPS2.4

Machine Polishing Discs

Linxcom range of diamond and silicon oxide optical connector polishing discs are available as standard measure 127mm :5 inches in diameter and in 0.5µm, 1µm, 3µm, 5µm and 9µm as well as colour coding for each disc size and diameter.

- Can be used on all machines which diameter plate does not exceed 5"
- Complete range of discs
- Able to achieve UPC return loss >55dB
- Perfect fibre end-face geometry

Grit (µm)	Colour	Product Code
0.5	Red	0.5UMDPDRD
1	Blue	1UMDPDBL
3	Yellow	3UMDPDYL
5	Green	5UMDPDGR
9	Brown	9UMDPDBR



Splice Cassettes



Splice cassettes kits include splice tray, splice holder and lid. The maximum capacity is 24 splices per cassette (depending on protection sleeve thickness)

Product Code
LXMSCKIT01

Splice Bridges

Splice bridges are a cost effective way to load splice protection sleeves and can hold 24 splices or more (depending on protection sleeve thickness)



Product Code
SPLICEBRIDGEBLK01

Patch Panel Blanks



Patch Panel Blanks block out the spaces on patch panels that aren't filled to capacity. They are available in FC & SC Simplex and SC Duplex adapter types.

Adapter Type	Product Code
FC Simplex	FCSXBLANKS
SC Simplex	SCSXBLANKS
SC Duplex	SCDXBLANKS

Syringes & Tips



Used for gluing fibre optic connectors. Syringe come with plastic tips but metal tips are also available.

Description	Product Code
Syringe 5ml with plastic tip	SYRINGE5ML
Replacement metal tip	SYRINGETIP

Precise Cutter

Its curved jaws improve the cutting process and protect the cable from non straight cuts, comfortable in holding, locking mechanism to keep it as well as the installer safe. Good for copper as well as fibre cables up to 10.5mm diameter.

Product Code
LXMCCS1

Tri-Hole Stripper



Three stripping guides; 2 to 3mm outer jacket, 900µm buffer and 250µm acrylic coating, Comfort grip handles, the blades are shaped diamond for optimum stripping.

Product Code
LXMTHSFO01

Carbide Pen Cleaver

Thanks to its precise design 30° wedge shaped carbide tip, the pen-style scribe makes quick and precise cleaving of optical fibre.

Product Code
LXMCPC01



Dust Caps



Adapter Type	Product Code
LC	LCACAPS
SC	SCACAPS
FC	FCACAPS
ST	STACAPS

Air Dusters

Air Dusters are used to clear away unwanted dust and debris from a panel, cabinet or any other unreachable place. Air Dusters come in 400ml compressed gas canisters.



Product Code
AIRDUSTER400

Kevlar Scissors

Designed with robust steel and very sharp blades to cut Kevlar -strength members in fibre optic cables in very easy way. They can be used to cut different type of materials.



Product Code
LXMKKS1

Fibre Optic Crimp Tool



Designed for superior comfort and ease of use, features a fully ratcheting crimp cycle, soft handles, smaller grip and angled head. It is robust and offers consistent crimping for standard fibre connectors. Comes with the die with .042/.068/.78/.128/.151/.178" HEX, RG 174, 179, Belden 8218, Fibre Optic crimp sizes.

Product Code
LXMFOUCT

Buffer Tube Stripper

Stripping and cutting tool for buffer tube, for tube diameters up to 3.2mm, cutting depth adjustable, replaceable blade Up to 1/8 in. (3.2mm) O.D.



Colour	Product Code
Black	LXMPEGBSBLK
Blue	LXMPEGBSBLU

Compression Cutting Tool



For cutting bigger, heavy duty cable diameters.

Product Code
LXMCCL1

Round Cable Slitter

Designed for fast, safe, and precise jacket removal of PE, PVC, rubber, and other jackets for smaller diameter cables: 4.5-29mm. Strips outer jackets from multi-core fibre optic cables from 4.5 to 25mm in diameter, Adjustable cutting depth, slits the sheath around the cable and horizontally for easy jacket removal.



Product Code
LXMUCCST

Fibre Optic Tool Kit

Our newest fiber optic tool kit line is made individually for every installer to make easier, quicker and performing an installation. Tailored for high performance fiber installers, this kit features an upgraded Linxcom x200 (x400) Fiber Inspection Scope and the industry standard Cassette. This new kit was not only built for high-end performance but numbers as well. The Tool kit has everything to strip, prepare, terminate, crimp, polish and inspect over 400 fiber optic connectors. You also work with all types of fiber systems and connectors. That's why this kit includes a Universal fibre optic crimper, a universal polishing puck and a universal x200 (x400) inspection scope to handle nearly any SC, ST or FC connector with ease.



Features & Benefits

- **400x Inspection Scope** - inspect the final results for quality control defects with this coaxial illumination scope.
- **Loctite Anaerobic Adhesive Kit** - for quick and easy under 30 second cure time.
- **Complete Selection of Cleaning Materials** - to ensure high performance results
- **Cassette Cleaner** - improve cleaning performance with this industry standard cleaner which provides thorough cleaning of ferrule end faces.
- **Buffer Strippers** - choose your favourite because they are both included.
- **Safety Kit** - protect yourself from the dangers of working with fibres.

Ordering Information

Using the table below, pick which kit is right for you.

Item	Qty	LXMFOTKIT01	LXMFOTKIT02	LXMFOTKIT03	LXMFOTKIT04	LXMFOTKITXX
Inspection Scope (x400)	1	X	X		X	Optional
Fibre Optic Stripper (Tri Hole)	1	X	X	X	X	Optional
Kevlar Scissors	1	X	X	X	X	Optional
Fibre Optic Crimp Tool	1	X	X	X	X	Optional
Cable Ringing Tool	1	X	X	X	X	Optional
Universal Stripping Tool	1	X	X	X	X	Optional
Carbide Pen Scribe	1	X	X	X	X	Optional
Fluid Dispenser	1	X	X	X	X	Optional
Sin Bin	1	X	X	X	X	Optional
1.25mm Polishing Puck	1	X	X	X	X	Optional
2.5mm Polishing Puck	1	X	X	X	X	Optional
1" Syringe Tip	1	X	X	X	X	Optional
2ml Syringe	1	X	X	X	X	Optional
Lint-free Tissues	100	X	X	X	X	Optional
Lapping Film (0.3/1.0/5.0um)	5 of each	X	X	X	X	Optional
Glass Polishing Plate	1	X	X	X	X	Optional
Cold Cure Epoxy	1	X	X	X	X	Optional
Cold Cure Activator	1	X	X	X	X	Optional
Visual Fault Locator	1		X			Optional
Video Inspection Probe	1			X		Optional
Cure Heating 12 Position Oven	1				X	Optional

Fibre Optic Cleaning Kits

Dirt, dust and other contaminants are the enemy of high-speed data transmission over optical fibre. It is critical that all optical connections are clean and free of contaminants to ensure application success. Fibre Optic cleaning kits has the best tools to effectively remove the toughest contaminants with ease. The rugged carrying case is made from tough nylon for long life, it is ideal for carrying and storing the cleaning components.



Features & Benefits

- Rugged carry case is made from tough nylon for long life
  - Ideal for carrying and storing cleaning products
  - More than 5 types of kit available
- All components are available individually for kit replenishment
  - High quality cleaning products

Ordering Information

Using the table below, pick which kit is right for you.

Item	Qty	LXMCKIT01	LXMCKIT02	LXMCKIT03	LXMCKIT04	LXMCKIT05
Fibre Optic Cassette Cleaner	1	X	X	X	X	X
Replacement Cassette Cleaner Reels	1	X	X	X	X	X
Pre-saturated Wipes	10	X	X	X	X	X
2.5mm Fibre Optic Foam Swabs	100	X	X	X	X	X
1.25mm Fibre Optic Foam Swabs	50	X	X	X	X	X
Lint-free Wipes	100	X	X	X	X	X
IPA Cleaning Pen	1	X	X	X	X	X
One-Click Cleaner SC	1					X
400ml Canned Air	1	Optional	Optional	Optional	Optional	Optional
Quick, reliable, universal solvent cleaner for all optical fibre types; Non-flammable; Non-corrosive	2	Optional	Optional	Optional	Optional	Optional
x200 (or x400) Dual Illumination Inspection Scope	1		X		X	
Pocket Visual Fault Locator	1			X	X	

Lint-free Tissues

These are high quality Lint-free, non-woven wipes made from hydroentabgled polyester/cellulose blend for optimum purity, super fast absorbency, tear resistant, removes and absorbs dirt / grease / water/chemicals / dust / different germs, can be used with fluid or dry, Material: 46% wood pile tissue & 54% Terylene, Thickness: ±0.05mm, absorbency rate: 600%, absorbency speed: 4.5 seconds

Product Code
LXMLFT100



IPA Pre-saturated Wipes



Our Pre-saturated wipes contain 98.9% IPA and made from non abrasive and lint free material. They are ideal for cleaning fibre optics and fiber optic connectors, cables, hard-line coax cable, cable splices from oil, soils, grease, dust, and other resisting germs. They are tear proof and have high absorbency, individually packed and evaporate rapidly.

Product Code
LXMPSWIPES

Fibre Optic Foam Swabs

They are used to clean the end face of connectors which are already installed in adapters loaded in patch panels or other fibre optic enclosures or test equipment ports. We supply cleaning swabs suitable for different connectors FC / ST / LC / SC / MTRJ / MU and others which end surface is 1.25mm and 2.5mm. High absorbency can be used with fluid or dry removes and absorbs dirt / grease / water/chemicals / dust / different germs

End Surface	Product Code
1.25mm (Bag of 100)	LXMFS1.25
2.5mm (Bag of 100)	LXMFS2.5



Cassette Cleaner



Our Clean reel cassette is most cost effective and performing and easy to use cleaner for end face connectors whether 2.5mm or 1.25mm. More than 500 cleaning cycles then new replacement reel is required, Removes oil, dust and other contaminants without solvent.

Description	Product Code
Cassette Cleaner	LXMCC
Replacement Reel (Box of 6)	LXMRRCCB06

One-Click Pen Cleaner

The One-Click Cleaner is an easy-to-use option for cleaning connectors in adapters. Simply insert the One-Click Cleaner into an adapter and push until an audible “click” is heard. The One-Click Cleaner uses the mechanical push action to advance an optical grade cleaning tape while the cleaning tip is rotated to ensure the fibre end -face is effectively, but gently, cleaned. Small enough to fit in a shirt pocket and a great addition to cleaning kits. Capable to clean UP or APC adapters more than 800 times and available in 1.25mm and 2.5mm

End Surface	Product Code
2.5mm	LXMSCCC
1.25mm	LXMLCCC



Fibre Optic Fusion Splicer Kit

Linxcom Fusion Splicer uses a core-to-core profile alignment system to provide the best possible termination of optical fibres. Splicing using our machine is suitable for MM as well as SM fibres or even DS, NZDS and EDF. The engineer is able to customize the configuration as per his personal needs.

Features & Benefits

- Colour LCD monitor & 256 magnifications
- Compact & Lightweight
- Reversible monitor with control panel on each side
- Max. wind velocity of 15m/s
- 8s splice time, 30s tube-heat time
- Simultaneous X and Y views
- System Test ensures the best working condition
- Auto check fibre end face
- Auto calibrate parameters
- Store 8000 groups of splice results
- Multiple language options
- Core alignment
- Large capacity internal battery

Specifications

Applicable Fibres	SM, MM, DS, NZ-DS, EDF
Cladding Diameter	85 to 150um
Coating Diameter	100 to 1000um
Fibre Cleaved Length	8-22mm (standard)
Splicing Mode	Auto & Manual
Average Splice Loss	0.02dB(SM), 0.01dB (MM), 0.04dB (DS), 0.04dB (NZDS)
Return Loss	≥ 60dB
Enviroment Conditions	-25~+50°C (operation tem- perature), 0~95%RH (humidity), 0~5000m (altitude)
Storage Enviroment	-40~+80°C (temperature), 0~95%RH (humidity)
Protection Sleeve Length	20mm, 40mm, 60mm
Tension Test	2.0N (standard)
Language	English, Chinese, Korea, Rus- sian, Spanish, French, etc.
Interface	RS232 interface & video output
Power Supply	AC adaptor: 85~260V input voltage
Internal Battery	12V voltage, 10Ah, up to 200 times of continuous splices and heats
DC Adaptor	12V voltage optional multipur- pose external battery
Dimensions	170(W)×140(H)×170(D)mm
Weight	3.3kg

Ordering Information

The Fibre Optic Fusion Splicer Kit is supplied in a lightweight, harsh environment carry case for ease in transit and for storage.

Description	Product Code
Fusion Splicer Kit	LXMSMKIT0110
Spare Electrodes	LXMELECTRODES01
Spare Charger	LXMSMCHARGER01
Spare AC Power Supply	LXMSMPOWER01
Spare Battery	LXMSMBATTERY01
High Precision Cleave Tool	LXMPCT01
Fibre Stripper	LXMCFS-2



Power Metre & Light Source

Using the power meter with an optical light source enables the engineer to measure the optical loss that has an optical fibre cables. The compact and comfortable design of our kit meets the basic demands of an engineer in the real world of testing. The LXMPMS/MKIT01XX Power Meter is able to measure 6 wavelengths with power levels ranging from -60 to +3 dBm. The small size, wide measurement range, and dynamic range make this kit an excellent choice for any telecom technician or fiber optic contractor.



Features & Benefits

- Able to measure 6 wavelength 850/1300/1310/1490/1550/1625
- Auto Power-off
- Backlight for easy operation in low light
- Modulated Frequency (270HZ, 1K, 2K)
- Light product
- Very easy to use
- Rugged handheld
- Hard carry case
- Cost effective
- Interchangeable adapters

Ordering Information

Description	Product Code
Singlemode Light Source	LXMLSSMEU01
Multimode Light Source	LXMLSMMEU01
Fibre Optic Power Metre	LXMPM01

Datasheets for both Light Sources and Power Metre are available upon request.

Singlemode & Multimode OTDR

A powerful handheld OTDR unit designed for splitter characterisation in FTTx networks; can be configured as a quad unit with both singlemode and multimode wavelengths.

Technical Specifications

Wavelengths (nm)	850/1300/1310/1490/1550/1625
Dynamic range (dB)	24/25/37/33/35/37
Pulse width (ns)	Multimode: 5,10,30,100,275,1000 Singlemode: 5,10,30,100,275,1000,2500,10000
Event dead zone (m)	0.8
Attenuation dead zone (m)	3.5/4.5/4.4/5.4/5.4/5.4
Linearity (dB/dB)	±0.03
Loss threshold (dB)	0.01
Loss resolution (dB)	0.01
Sampling resolution (m)	Multimode: 0.08-2.5; singlemode: 0.08-5.0
Sampling points	Up to 64000
Distance uncertainty (m)	±(0.75+0.0025%*distance+sampling resolution)
Distance range (km)	Multimode: 0.1-40; singlemode: 0.65-260
Typical real-time refresh (Hz)	4
Memory capacity	500 traces
Measurement time	User-defined
Stable source output power (dBm)	Multimode: -1.5; singlemode: -7.5

Ordering Information

Product Code
AXS-110



Optical Fibre Identifier (OFI)

Disconnecting the connectors of the fibre assemblies' products in order to check the network traffic and measure relative signal power on singlemode or multimode fibres is problematic and cause disturbance and risk of contaminating with dust, dirt and even plugging in the wrong port. The Optical Identifier will detect any optical signal being transmitted without stressing or damaging the fibre or the connectors, the engineer needs to place the fibre into the appropriate adaptor.

Features & Benefits

- Easy-to-use with "ONE KEY" operation
- Efficiently identifies the traffic direction and frequency tone with audible warning
- Displays the core power of the fibres
- Low bending loss and highly efficient output
- Easy-to-replace adaptors

Specifications

Wavelength Range	800-1700nm	Operating Temp	-10~+60°C
Optical Power	-50~+0dBm	Signal Frequency	270Hz, 1kHz, 2kHz
Detector Type	Φ1mm InGaAs 2pcs	Power Supply	One 9V Alkaline battery
Adaptor Type	Φ0.25 (Applicable for Bare Fiber) Φ0.9, Φ2.0, Φ3.0	Signal Type	CW, 270Hz±5%, 1kHz±5%, 2kHz±5%
Signal Direction	Left & Right LED	Storage Temp	-25~+70°C
Dimension (mm)	195X30X27	Weight (g)	235

Ordering Information

Product Code
LXMOFI-201



Fibre Optic Video Inspection Probe

The fibre inspection probe with its video display is the perfect solution for every contractor offering fibre optic maintenance services. With comfortable and easy usage, the Probe enables to establish a sharp image of the connector end faces. The probe has a magnification of x200 and uses coaxial illumination which enlarge the detail of contaminants shown. It has a 2.36" LCD and accepts SD memory cards to save snapshots or videos of cleaned contaminated end faces of connectors.

Features & Benefits

- Cost-effective with high value solutions
- Comfortable & compact size, light weight
- Portable for field use, easy one-hand operation
- Superior image resolution & quality
- Image capture, snap, store, review capability
- Image capture SD Card and Card Reader
- Built-in rechargeable Li-Ion battery
- Easy & simple operation keypad for viewer
- Rugged carrying case
- 12 months warranty

Specifications

Power	From Viewer
Lighting Technique	Coaxial
Light Source	Blue LED
Dimension (L*W*H)	155*44*40mm
Weight	164g

Ordering Information

Product Code
LXMFOIPKIT01



Visual Fault Locator (VFL)

Whether installing or troubleshooting, the Linxcom Visual Fault Locator (VFL) is an essential tool that quickly and easily locates problem areas in fibre cables. By pinpointing the exact location of breaks, bends faulty connectors, splices and other cases of signal loss, technicians can diagnose, troubleshoot, and fix the problem efficiently. The VFL also used for end to end conducting continuity testes and performing fibre identification.

Features & Benefits

- Economical & easy-to-use
- Quickly & easily locates damages in optical fibre
- Continuous & flashing illumination models
- Ruggedised & designed for demanding field use
- Long-lasting battery life
- Protective rubber end cap
- Soft-sided carry case with belt loop
- One year warranty

Specifications

Wavelength	650nm	Controls	on/off, continuous/ flashing
Emitter type	Laser	Power supply	2x AAA batteries
Output power	1.0mW max.	Battery life	>30 hours
Distance range	>7km (singlemode) >5km (multimode)	Connector type	universal 2.5mm universal 1.25mm
Operation mode	Pulsed & CW	Dimensions (h*w*d)	136*34*20mm
Laser safety class	2	Weight (with battery)	63g

Ordering Information

Product Code
LXMVFL100



Handheld Fibre Inspection Scope

The LXMMIS-X series Hand-held Fibre Microscope are an ideal choice for checking field termination for fibre end face quality. A combination of durable construction, comfortable design, easy operation and quality optics ensures that this tool will enhance the performance of installation and maintenance technician.

Features & Benefits

- Safety filter for eye protection
- Coaxial illumination of connector end face illumination
- Reliable white LED
- High quality glass optics
- Anti-slip design, rugged body with rubber grips
- Ergonomic design, Long Life Battery, comfortable & easy operation
- Various screw-on connector adaptors available
- 1 year Warranty

Specifications

Maginification	200x and/or 400x
LED Life	100,000 hours
Battery Life	32 hours typical use
Power	3x AAA Batteries
Dimension (H*W*D)	225*58*27.5mm
Weight	630g
Package	20pcs/Carton

Ordering Information

Magnification	Product Code
200x	LXMIS200
400x	LXMIS400



# Fibre Optic Active Solutions.



**Including:**

Media Converters  
Media Converter Chassis  
Optical Video Converters  
SFPs

Standalone Media Converters

Linxcom offer a wide range of standalone Media Converters which include Fast Ethernet, Gigabit, Multimode to single mode (with SFP ports or with Fibre optic integrated ports). Our Media Converters can also be configured with 1 fibre port and 1 RJ45 port, as well as 1 fibre and 2, 3 or 4 copper ports.



Features & Benefits

- 3 years warranty certificate
- Safely, Securely and individually packed
- Built in a 2-port switch:
  - Supports modified cut-through frame forwarding for low latency
  - Supports pure converter mode data forwarding for extreme low latency
  - Supports flow control for full and half duplex operation
  - Bandwidth control
  - Forward 1600 bytes packet for management
- Built in 128Kb RAM for data buffer; or 1.4Gbps memory bandwidth
- Support 100Base-FX standard; or 1000Base TX/FX or 10/100/1000BaseTX/FX
- Supports auto MDI-MDIX function
- Supports link fault pass through function (LFP)
- LED display for link/activity, full/half, 10/100M
- A maximum transmission distance of 120 kilometres
- Comply to IEEE802.3 ETHERNET STANDARD and IEEE802.3u FAST ETHERNET STANDARD
- Customized power supply for EU, UK, German, US and more

Technical Specifications

Standard Protocol	IEEE 802.3z 1000Base-TX/FX standard	TP Cable	CAT5e UTP cable
Connector	UTPRJ-45connector, one SC/ST connector	Transfer Fibre:	
Operation Mode	Full duplex mode or half duplex mode	Multimode	50/125, 62.5/125 or 100/140µm
Power Supply Parameter: External	5V DC 2A	Singlemode	8.3/125, 8.7/125, 9/125 or 10/125µm
Power Supply Parameter: Internal	110-265V AC 48VDC	Dimensions:	
Enviromental Temp.	0°C-60°C	Ext. Power Supply	26mm*71mm*94mm
Relative Humidity	5%-90%	Int. Power Supply	40mm*110mm*140mm

External power supply model can be installed into 19" 2U 14 slot rack-mount chassis.



Fibre & RJ45 Configuration



SFP Configuration



External Power Supply

Rack-Mount Media Converter Chassis

- We have two types of rack-mounted chassis for unmanaged media converters:
- 2U 14-slot media converter chassis: supports plug-and-play installation of stand-alone media converters convert modules
  - 2U 16-slot media converter chassis: supports card-type media converters



2U 16-Slot Card-type Model



Rear View

Specifications

- Number of slots: 14; 16
- Media converters adapted:
  - 14 slots chassis: 10/100M or 1000M or 10/100/1000M stand-alone media converters
  - 16 slots chassis: 10/100M card-type media converters
- Power in: AC 100 V~260 V; OR DC 48V
- Power out: DC 5V, 12A
- Diameter of DC plug: 2.5/5.5 mm
- Ripple ≤50 Mv
- Noise: ≤50 Mv
- Protection of power supply: circuit-breaker when overvoltage; circuit-breaker when overflow; circuit-breaker when short circuit
- Operating Temperature: 0°C~50°C
- Storage Temperature:-20°C ~85°C
- Humidity: 5%~95%
- Dimensions: L485, W231, H90 mm; 19 inches 2U



Mounting Bracket

Attached Bracket

Ordering Information

Gigabit	Power Type	Fibre Type	Connector Type	Distance	Plug Type
GB	EP	SM	SC	20	UK
GB=10/100/1000M GB1=1000M	EP=External IP=Internal	SM=Singlemode MM=Multimode	FC=FC ST=ST SC=SC LC=LC E2=E2000 A=APC	02=2km 20=20km 40=40km 60=60km 80=80km 100=100km 120=120km	EU=European UK=UK IT=Italian GE=German ...
Delete only if appropriate for 10/100M					

Description	Product Code
2U Media Converter Rack-mount Chassis (14 Slot, Plug & Play)	14SLOTMEDIARACK
2U Media Converter Rack-mount Chassis (16 Slot, Card-type)	16SLOTMEDIARACK
Media Converter Chassis Mounting Bracket	MCCMBRACKET

Optical Video Converters



- Features & Benefits**
- 8 bit digitally encoded and non-compression video transmission
  - Directly compatible with NTSC, PAL, and SECAM CCTV camera systems and support RS-232, RS-422, RS-485 data protocols
  - Support any high-resolution video signal
  - Dual Power Input (one DC Jack, one terminal.)
  - Video AGC support.
  - Automatic compatible PAL, NTSC and SECAM video system
  - Power supply and other parameter state indication, which can monitor the operation condition of system
  - Support no-damage regenerative trunk of video
  - Constant input optical power, and large dynamic range, no Electrical or Optical Adjustments Required.
  - Special ASIC design.
  - Industry-grade of operating temperature from -10°C to 75°C , which is applied to the different working environment
  - Hot-swap function
  - Stand-alone type or card-type installed in 19" 2U or 4U rack-mount chassis.



Ordering Information

Description	Product Code
19" 2U Rack-mount Chassis for 1V or 1V1D cards	OVC2U
19" 4U Rack-mount Chassis for 4V /8V16V cards	OVC4U

Specifications

Video Channels	1 Channel
Operating Voltage	DC 5V
Operating Temperature	-10°C to +75 °C
Storing Temperature	-55 °C to +85°C
Humidity	0 to 95% non-condensing
MTBF	≥ 105 hours
Video Bandwidth	5-7.5 MHz
Auto Compatible Systems	PAL, NTSC, SECAM
Video In/Out Impedance	75 Ω
Video Signal-to-noise Ratio	≥67dB
Differential Gain	(10%-90%APL) DG <1%
Differential Phase	(10%-90%APL) DP <0.7°
Video Connector	BNC
Warranty	3 Years

OVCS

1V  
1V=1 channels  
2V=2 channels  
...  
64V=64 channels

1D3  
Add only if appropriate

T/R

F  
F=FC  
L=LC  
SC=SC  
ST=ST

M  
Add only if appropriate  
Only with 1 positive video channel

Switches & Switch Converters

We supply Switches and Switch Converters for most networking applications.

Please contact us for more information, datasheets or to place an order.



SFP/XFP Optical Transceivers

- Features & Benefits**
- Supports 155Mbps to 2.4Gbps and 10Gbps XFP multi-rate data links
  - 850nm VCSEL laser and PIN photo detector
  - Compliant with SFP MSA and SFF-8472 with duplex LC receptacle
  - Digital diagnostic monitoring: Internal calibration or external calibration
  - 300m transmission with 50/125µm MMF
  - Compliant with RoHS
  - +3.3V single power supply
  - Operating case temperature: Standard: 0 to +70°C, Extended: -20 to +85°C
  - Available in multimode of singlemode
  - Customised covered distance



Optical & Electrical Characteristics

Transmitter

Parameter	Symbol	Min	Typical	Max	Unit
Centre Wavelength	λc	830	850	860	nm
Spectral Width (RMS)	σ			0.85	nm
Average Output Power	Pout	-10		-3	dBm
Extinction Ratio	ER	9			dB
Optical Rise/Fall Time (20%~80%)	tr/tf			0.16	ns
Data Input Swing Differential	V <sub>IN</sub>	400		1800	mV

Receiver

Parameter	Symbol	Min	Typical	Max	Unit
Centre Wavelength	λc	770		860	nm
Receiver Sensitivity				-18	dBm
Receiver Overload		-3			dBm
LOS De-Assert	LOS <sub>D</sub>			-20	dBm
LOS Assert	LOS <sub>A</sub>	-30			dBm
LOS Hysteresis		1		4	dB
Data Output Swing Differential	V <sub>out</sub>	370		1800	mV
LOS	High	2.0		V <sub>cc</sub>	V
	Low			0.8	V

Ordering Information

Type  
SFP  
SFP=SFP  
XFP=XFP

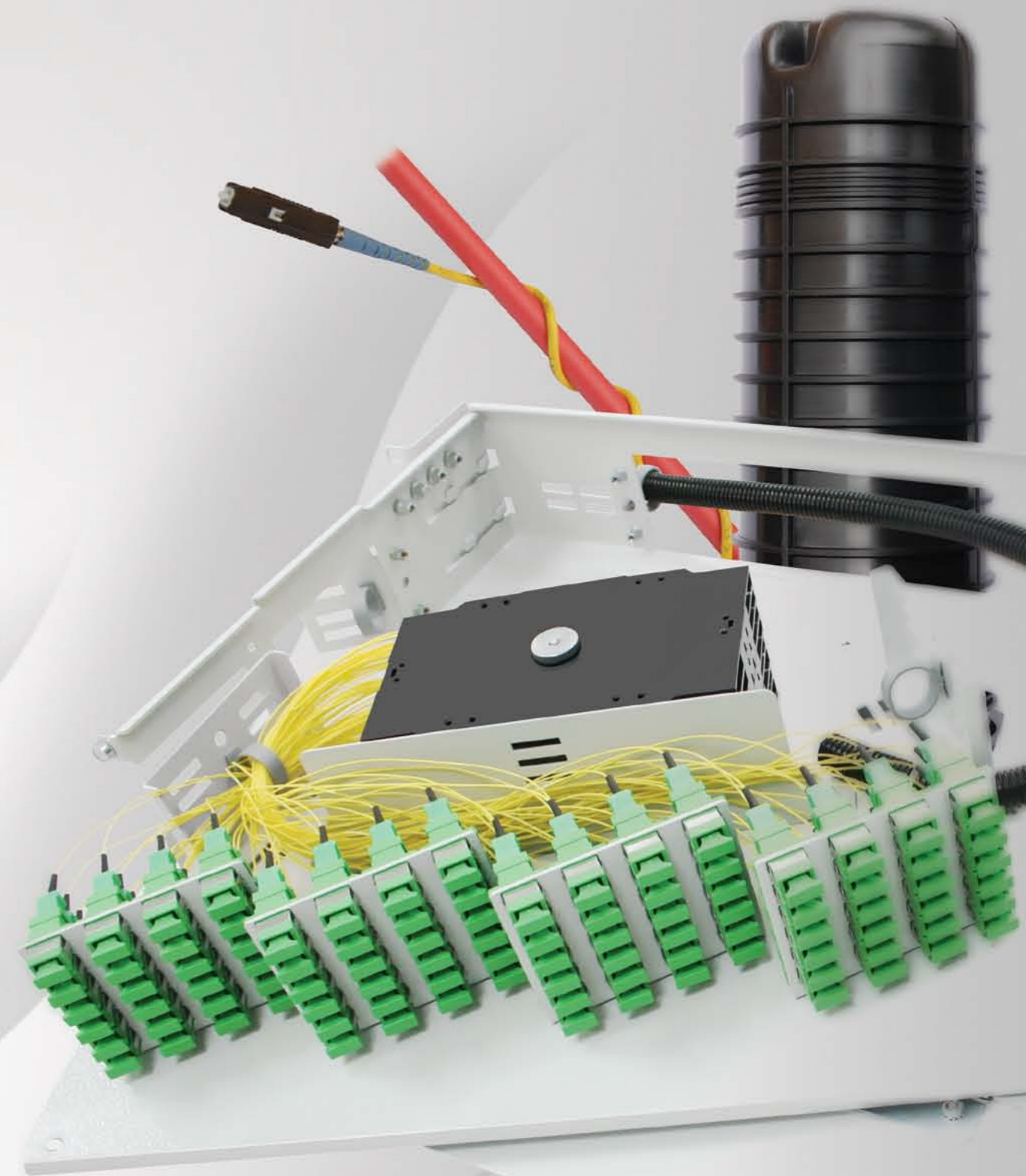
Rate  
1.25  
155=155mbps  
1.25=1.25gbps  
2.48=2.48gbps  
10=10gbps

Fibre Type  
MM  
SM=Singlemode  
MM=Multimode

Covered Distance  
2  
2=2km  
20=20km

Compatibility  
HP  
CIS=Cisco  
HP=HP  
JNP=Juniper

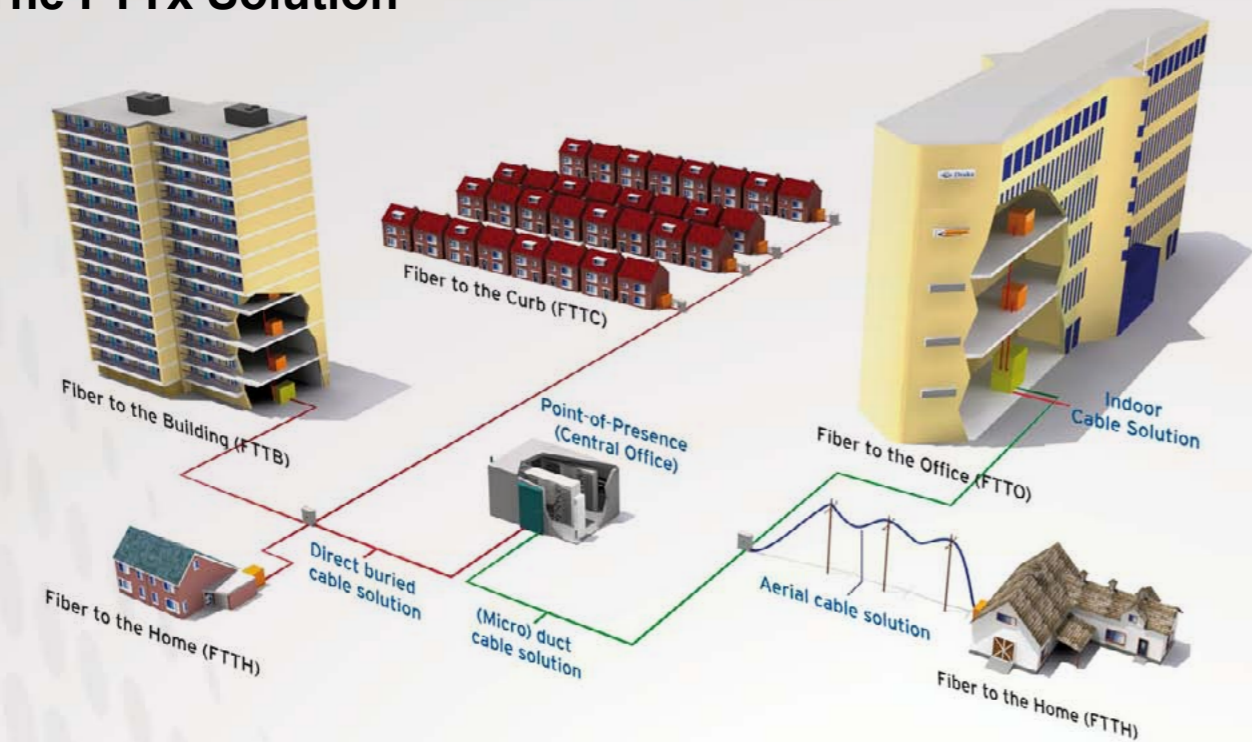
Example: SFP1.25MM2HP - SFP Optical Transceiver 1.25gbps Multimode 2km HP coding



# FTTx Solutions.

**Including:**  
Splitters  
CWDM  
Cable  
Enclosures  
Components  
Assemblies  
Accessories  
Tools

The FTTx Solution



**Fibre to the Building (FTTB)**

- Pre-terminated Cables
- Bend Insensitive Patch Cords
- Shuttered adapters
- Indoor FTTH cables
- FDH
- Wall Boxes
- Wall Termination Boxes



**Point-of-Presence (Central Office)**

- Optical Distribution frame
- Network & Server Racks
- High Density/Standard Patch Panels
- MPO/MTP
- Standard Components
- Loose Tube, Tight Buffered & Break-out Cables
- Active, CWDMs and Splitters



**Fibre to the Office (FTTO)**

- SFPs, XFPs, FO Switch Converters, FO switches
- Pre-terminated Cables
- Bend Insensitive Patch Cords
- Shuttered adapters
- Indoor FTTH cables
- FDH
- Wall Boxes



**Fibre to the Home (FTTH)**

- Bend Insensitive Pigtailed
- Bend Insensitive Patch Cords
- Shuttered adapters
- Indoor FTTH cables
- FDH
- Wall Termination Boxes



**Fibre to the Curb (FTTC)**

- Boxed Splitters, CWDMs
- Steel tape armoured, Wired armoured, Dual sheath, Aerial cables
- Outdoor FDH/Termination Boxes
- Standard Components



**Accessories**

- Termination/Cleaning/Inspection/ Tooling Kits
- Fusion Splicer
- OTDR, Power Meter, Fibre Identifier, Video Inspection Probe

Splitters

Splitters are major components in a Passive Optical Network (PON). The appearance and the boxing of the splitter vary from application and operators to another however the benefit and features are mainly the same. To keep ourselves as flexible as we are, Linxcom offer a full range of regular and customised splitters products; PLC LGX splitter, Outdoor box splitter, enclosure splitter, PLC bare splitter, fan-out splitter, with and without connectors.



**Features & Benefits**

- Telecordia standards
- Low insertion loss
- Customized large choice of packaging
- With or without connectors
- Pre terminated ready to plug and play
- Cost effective
- Available from 1\*2 to 1\*64 and 2\*64
- Outdoor as well as indoor applications available

CWDMs

Linxcom is capable to manufacture and supply a CWDM with up to 18 channels, the CWDM with 18 channels is an optical multiplexer that can multiplex up to 18 CWDM sources on a single optical with only 6dB insertion loss. The CWDM filter has high channel isolation and can therefore be used in a bi-directional system. The module can be used as multiplexer or de-multiplexer. The CWDM can be used along with other active components that Linxcom supply as SFPs, Media converters (slots and/or standalone).

**Features & Benefits**

- 18 channels per fiber
- 6dB link insertion loss
- Bi-directional
- Available wavelength: from 1271 to 1611nm
- Can be used as multiplexer or de-multiplexer
- Channel spacing 20nm
- Return loss: >45dB
- Directivity: >45dB
- Adjacent Channel Isolation: >30dB



Ordering Information

For more information, to place an order or for any customised Splitters, WDMs, CWDMs or DWDMs, please contact us for a copy of our FTTx Catalogue.

Indoor Figure 8 with FRP FTTx Cable

Linxcom offer a very useful indoor FTTx cable which is perfect for laying under carpets and in corners to reach the fibre optic terminal boxes and wall outlets.



Features & Benefits

- FRP strength protective members
- High resistance to lateral crushing
- White colour for inside use (available in other colour if requested)
- Light weight: Only 20kg per km
- Sufficient tensile strength
- Up to 12 coloured fibres
- LSZH or PE jacket
- -20°C / +70°C operating temperatures

Outdoor FTTx Cable

Loose Tube, Armoured and drop cables are also used for FTTH applications. Linxcom’s outdoor cables are installed in multi-tude of FTTx projects in Europe, Africa, Middle East as well as Asia.



More fibre optic cable can be found in the Fibre Optic Passive section of this catalogue.

For more information on any FTTx Cable, please contact us for a copy of our FTTx or Fibre Optic Cable Catalogue.

Outdoor Fibre Management

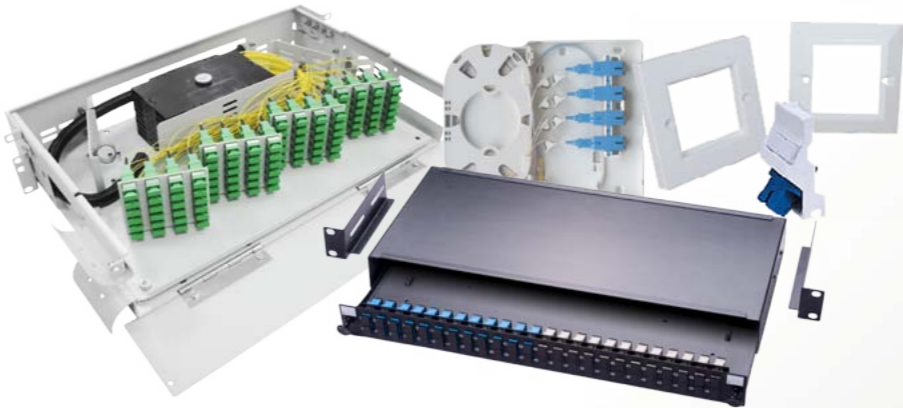
Outdoor fibre management products vary from one application to another and in requirement to project size, therefore the proposed products are generalised and may or may not be applicable to all FTTx applications. Linxcom can design and manufacture any fibre enclosure, distribution hub or outdoor cabinet, for any requirement for any application.

- FDH - Fibre Distribution Hubs
- Dome Enclosures
- In-Line Enclosures
- Fibre Distribution Frames
- Terminal Boxes



Indoor Fibre Management

Indoor fibre management products vary from one application to another and in requirement to project size, therefore the proposed products are generalised and may or may not be applicable to all FTTx applications. Linxcom can design and manufacture any fibre enclosure, patch panel or termination box, for any requirement for any application.



- LGX Patch Panels
- Termination Boxes
- Faceplates
- Sliding Patch Panels
- High Density Patch Panels

More fibre management products can be found in the Fibre Optic Passive section.

For more information on any Indoor or Outdoor Fibre Management, please contact us for a copy of our FTTx Catalogue.

FTTx Components & Assemblies

In addition to standard pre-terms, pigtails, patch cords, adapters, connectors and attenuators attenuators, Linxcom offers special components and assemblies for FTTx use to maintain safety and respect international standards.

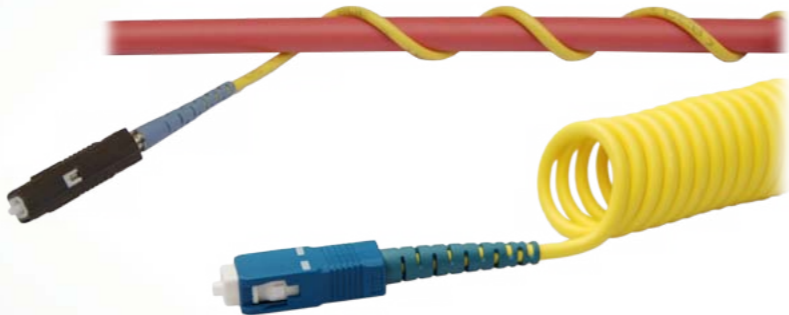
Pre-Terminated Cables & MTP/MTP Solutions

- Factory terminated & tested with guaranteed quality
- High density to dramatically save space
- Installer-friendly to save time & money
- Optimize network performance
- Maximize lifespan
- Design caters for up-scaling needs and future technologies growth
- The best solution, covers all fibre optic cabling needs in all areas of FTTx



FTTx Assemblies

- Bend-insensitive Patch Cords
- BendSafe Patch Cords
- Armoured Patch Cords



FTTx Components

- Shuttered Adapters
- Quad Adapters
- Secure Keyed Connectors



More fibre optic assemblies, components and pre-terminated products can be found in the Fibre Optic Passive section of this catalogue.

For more information on FTTx Assemblies and Components, please contact us for a copy of our FTTx or Special Components and Assemblies Catalogue.

FTTx Tools, Slicing, Test Equipment & Accessories

We offer many tool and accessory products that are applicable for a FTTx application. Below we have outlined a few of the most commonly used in FTTx.

Fusion Splicer



Termination Kits



Tools



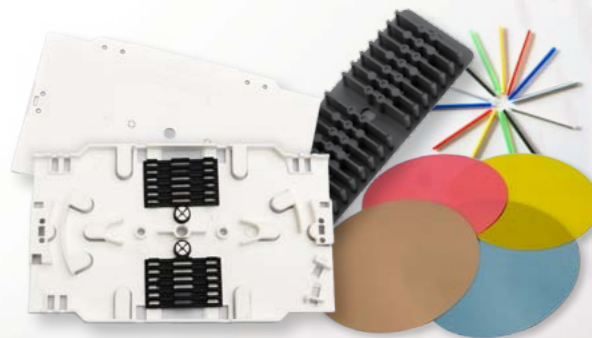
OTDR



Cleaning Kits

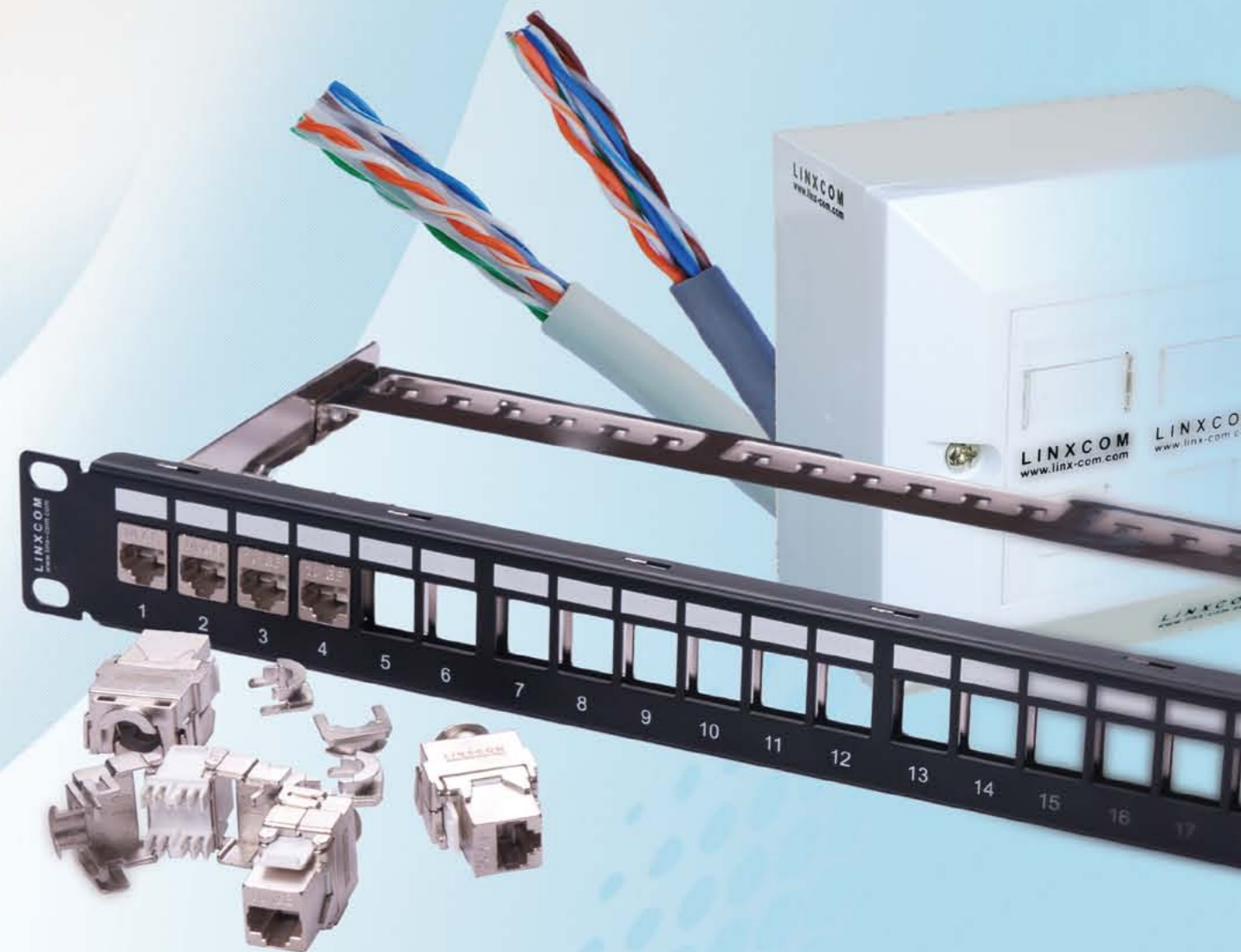


Accessories



More fibre optic products can be found in the Fibre Optic Passive section of this catalogue. For more information on FTTx Accessories or Tooling, please contact us for a copy of our FTTx Catalogue.

# Copper Solutions.



**Including:**

Category 5e  
Category 6  
Category 6a  
Category 3  
Pass-Through  
Accessories  
Tools

CAT5e Copper LAN Cable

Linxcom is a leading distributor of copper telecommunication cables. Our range includes UTP, FTP, and S/FTP for small, medium and large telecommunications networks. Our cables are verified by EC and third party organization (we are UL Listed) and comply with ISO11801. All outer jackets can be PVC or LSZH upon customers' requests.

Features & Benefits

- UL-Certified
- 4 pairs twisted pair cable
- Application: Broadband Video, Gigabit Ethernet, Fast Ethernet
- All cables meet or exceed the requirement proposed by TIA/EIA 568 B.2, ISO/IEC 11801 Category 5e
- 24AWG insulated copper conducts with PVC jacket
- Twisted pairs are brightly coloured and distinguished at a glance
- the cross frameworks are stripped to match corresponding colour pairs
- Ultra smooth jacket makes this cable easy to pull in tight spaces

Construction

Conductor	Solid Bare Copper
AWG	24
Conductor Dia. (+0.008/- 0.01mm)	0.50
Insulation	PE
Insulation Dia.(±0.03mm)	1.03
Twisting Lay Length(mm)	30underneath
Cabling Lay Length(±20mm)	80±5
Drain Wire	TC
Jacket	LSZH/PVC
Braiding	16*6*0.12 CCAM
Outer Dia.(±0.2mm)	6.40

Characteristics

Mechanical

1.0-100.0MHz Impedance (ohms)	100 ± 15
1.0-100.0MHz 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

Ordering Information

Cable Construction

UTP

UTP  
FTP  
SFTP

Category

5E

5E=CAT5e

Type of Jacket

PVC

PVC=PVC  
LS=LSZH

Length

305

305=305m  
500=500m

Example: UTP5EPVC305 - 305 Metre Category 5e UTP Copper Cable with PVC Jacket



Electrical

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.8
Aging Elongation (%)	≥100
Aging Condition (oCxhrs)	100x240
After Tensile Strength (Mpa)	≥85% of unaged
Aging Elongation (%)	≥50% of unaged
Cold Bend(-20±2oCx4hrs)	No crack

CAT5e Copper Patch Cords

Linxcom Cat5E UTP, STP, FTP, S/FTP patch cords are designed for end to end connections in equipment rooms or horizontal subsystems. Our patch cords are fully complied with ISO/IEC 11801, T-568A and T568B wiring configurations. All outer jackets can be PVC or LSZH upon customers' requests.



Features & Benefits

- UL-Certified
- ANSI/TIA568-A, En50173 & ISO/IEC 11801
- Various outer jacket materials
- Superior performance against alien crosstalk and electromagnetic noise
- Available in multiple colours and lengths
- Backward compatible with Cat5e and Cat6 products
- 50 um gold plated connector

Electrical & Mechanical Characteristics

Contact Resistance (m Ω)	<100
Insulation Resistance (m Ω)	>100
Dielectric intensity	DC 1000V (AC 700V)
Material	Plug housing: PC (UL94V-0)
Use life	>1000 times
Gold pin	Phosphor bronze with gold plating
Shielding shell	Phosphor bronze with nickel plating

Technical Specifications

Conductors	Insulators	Jacket
24 AWG	Diameter 0.98 +/- 0.05mm	6.0 +/- 0.20 External O.D.
Size 7/0.20 +/- 0.008mm	PE Material	0.5mm Thickness
Bare Copper		PVC Material

Ordering Information

Cable Construction

UTP

UTP  
FTP  
SFTP

Category

5E

5E=CAT5e

Patch Cord

CPC

Colour

GY

RE=Red  
GR=Green  
YEL=Yellow  
OR=Orange  
GY=Grey

Length

01

01=1m  
...  
15=15m

Type of Jacket

PVC

PVC=PVC  
LS=LSZH  
HD=HDPE

Example: UTP5EGY1PVC - 1 Metre Category 5e UTP Copper Patch Cord with Grey PVC Jacket

Cat5e Keystone Jacks

Linxcom CAT5e Keystone jacks comply with the EIA/TIA standard for enhanced Category 5 and are available in a choice of 90°, 180° shuttered and non-shuttered UTP or STP, they are also available in Black, White or black & white. All Linxcom keystone jacks come with covers and are individually tested and checked before they leave our factory.



Features & Benefits

- Available in CAT5e T568A/B wiring scheme, meet or exceed TIA/EIA CAT5e requirements
- Housing: high temperature thermoplastic
- Compact jack design, 8 positions and 8 conductors
- Contact: Phosphor bronze, phosphor bronze with 6 to 50um gold plated
- Easy to be terminated, extremely low attenuation loss and high return loss
- High reliability and superior performance
- Available in different colours
- Accept 22 to 26 AWG solid with insulation diameter of 0.4-0.6mm

Conformity

- ISO/IEC 11801
- ANSI/EIA/TIA 568B.2.1
- RoHS
- UL Approved

Specifications & Performance

TECHNICAL SPECIFICATIONS (STP)	
Housing Material	PC UL94V-0
Shielding Material	Brass 0.30mm + Nickel Plating
Insert Material Flame Retardancy	ABS UL94V-0
IDC Material	Phosphor Bronze Stamp Pin 0.35mm
Contact Material	Phosphor Bronze + Gold Plating 0.50mm
RJ45 Jack Life Min.	750 Insertions
IDC Life Min.	200 Terminations

MECHANICAL PERFORMANCE (UTP)	
Jack Material	ABS
Gold Pin	Sn6.5-0.1(Y)
Thickness (Gold Coating)	6u"/15u"/30u"/50u"
Contact	Sn6.5-0.1(Y)
Thickness (Silver Coating)	0.5um
IDC: Copper Conductor	0.4~0.7mm, Max. Connections> 200
Sockets	Max. Insertions> 700

Ordering Information

Construction

Category

Keystone Jack

Colour

STP

5E

KSJ

WH

UTP  
STP

BL = Black  
WH = White  
SLV = Silver

Example: STP5EKSJWH - Category 5e STP Keystone Jack White

CAT5e Copper Patch Panels

Linxcom CAT5e IDC & Keystone jack patch panels are 19 inch rack mountable RJ45 Jack patch panels. All panels comply with the EIA/TIA standard for enhanced Category 5 and are available in a choice of port density. Every patch panel is made with high quality materials and tested before it leaves our factory.



Features & Benefits

- 24, 48 ports CAT5e patch panels
- Space saving high density 1U
- Black electrostatic Powder-coated Steel: Phosphor bronze with in plating over nickel. Meet or exceed the requirement of ANSI/TIA/EIA 568B.2
- Use keystone jacks and keystone inserts to configure your panel to accommodate a variety of schemes
- Sturdy aluminium plate around RJ45 jacks
- Phosphor bronze with 6-50 micro inches gold plated
- Available with T568 A. T568 B wiring pattern and meeting the requirement of CAT5e & 6 standards
- Colour coded TIA/EIA 568A (international) and 568B (AT&T Standards)
- Wiring for easy installation, Fit for 110 punch down tools
- Termination accepts 22, 23, 24 and 26 AWG (0.64, 0.4) solid wires



Applications

- POTS, T1&Tq fractional
- ISDN basic & primary rate
- 4/16 Mbps Token Ring (IEEE802.5)
- 10 BASE-T (IEEE802.3)
- 100 Mbps TP-PMD
- 1Gbps Ethernet (IEEE802.3)
- 52/155 Mbps ATM (ATM Forum)

Mechanical Performance

Insertion Loss	750 cycles minimum
IDC Life	200 times (22-26 AWG Solid wire) minimum
Plug/Jack Contact Force	100 grams minimum using FCC-approved plug

Electrical Performance

Insulation Resistance	1000 Mohms minimum
Contact Resistance	7 Mohms maximum
Dielectric Intensity	AC 1000 Vrms 50Hz or 60Hz in 60s

Ordering Information

Construction

Category

Style

Patch Panel

Number of Ports

UTP

5E

IDC

PP

24

UTP  
STP

IDC  
KSJ

24  
48

Example: UTP5EIDCPP24 - CAT5e UTP 24 Port IDC Style Patch Panel

CAT5e Copper Molded Jack Modules

Linxcom Category 5 jacks surpass TSB 40A, EIA 568A, and DIS11801 category 5E standards. The "Enhanced" Series modules have been powersum frequency swept to assure performance. Easy & trouble free installations. These modules have been extensively tested in the laboratory, and in the field.

Features & Benefits

- Small Form RJ45 footprint design
- 90 degree termination
- IDC tool free punch down
- Accepts 24-26 AWG
- Reduces Installation time

Conformity

- ISO/IEC 11801
- ANSI/EIA/TIA 568B.2.1
- RoHS
- UL Approved



Specifications & Performance

MECHANICAL PERFORMANCE (UTP)	
Jack Material	ABS
Gold Pin	Sn6.5-0.1(Y)
Thickness (Gold Coating)	6u"/15u"/30u"/50u"
Contactors	Sn6.5-0.1(Y)
Thickness (Silver Coating)	0.5um
IDC: Copper Conductor	0.4~0.7mm, Max. Connections> 200
Sockets	Max. Insertions> 700

SPECIFICATIONS	
Size	25*50*23mm
Colour	White
Criteria	TIA/EIA T568-A
IDC	Krone

Ordering Information



Modules can be bought as part of a complete wall outlet or singular. Part numbers for these items are singular, i.e. if you require a complete wall outlet you would need to order 1x Faceplate, 1x Backbox and 2x Modules.

Description	Product Code
CAT5e UTP Molded Jack Face Module 180 degree 50*25mm - White	UTP5EUKFMM180J
UK Beveled Faceplate 86*86mm - White	UKBFP86
UK Back Box for Beveled Faceplate 86*86mm - White	UKBBFP86

Example: 1x UKBFP86, 1x UKBBFP86 & 2x UTP5EUKFMM180J - 1x Complete Wall Outlet 86\*86mm with 2x CAT5e UTP Molded Jack Modules in White.

CAT6 Copper LAN Cable

Linxcom is a leading distributor of copper telecommunication cables ideally used in Gigabit Ethernet, voice, video, multimedia and data. Our range includes UTP, FTP, and S/FTP for small, medium and large telecommunications networks. Our cables are verified by EC and third party organization (we are UL Listed) and comply with ISO11801. All outer jackets can be PVC or LSZH upon customers' requests.



Features & Benefits

- UL-Certified
- 4 pairs twisted pair cable
- Application: Broadband Video, Gigabit Ethernet, Fast Ethernet
- All cables meet or exceed the requirement proposed by TIA /EIA 568 B .2 ,ISO/IEC 11801 Category 6
- 23AWG insulated copper conducts with PVC jacket
- Twisted pairs are brightly coloured and distinguished at a glance
- The cross frameworks are stripped to match corresponding colour pairs
- Ultra smooth jacket makes this cable easy to pull in tight spaces

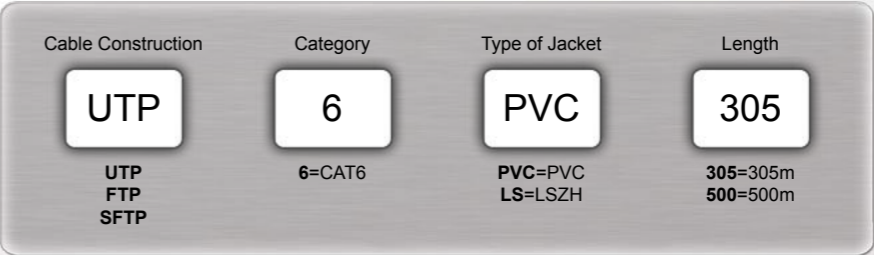
Construction

Conductor	Solid Bare Copper
AWG	23
Conductor Dia. (+0.008/- 0.01mm)	0.57
Insulation	HDPE
Insulation Dia.(±0.03mm)	1.14
Twisting Lay Length(mm)	30 underneath
Cabling Lay Length(±mm)	140
Filler	PE
Drain Wire	TC
Braiding	CCAM
Jacket	LSZH/PVC
Outer Dia.(±0.2mm)	6.40

Charcteristics

Mechanical		Electrical	
Test Object	Jacket	1.0-100.0MHz Impedance (ohms)	100 ± 15
Test Material	PVC	100.0-250MHz Delay Skew (ns/100m)	100 ± 22
Before Tensile Strength (Mpa)	>=13.8	1.0-250.0MHz Impedance (ohms)	<=45
Aging Elongation (%)	>=100	Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Aging Condition (oCxhrs)	100x240	Max. Conductor DC Resistance 20oC (ohms/km)	73.2
After Tensile Strength (Mpa)	>=85% of unaged	Resistance Unbalance (%)	<=5
Aging Elongation (%)	>=50% of unaged		
Cold Bend (-20±2oCx4hrs)	No crack		

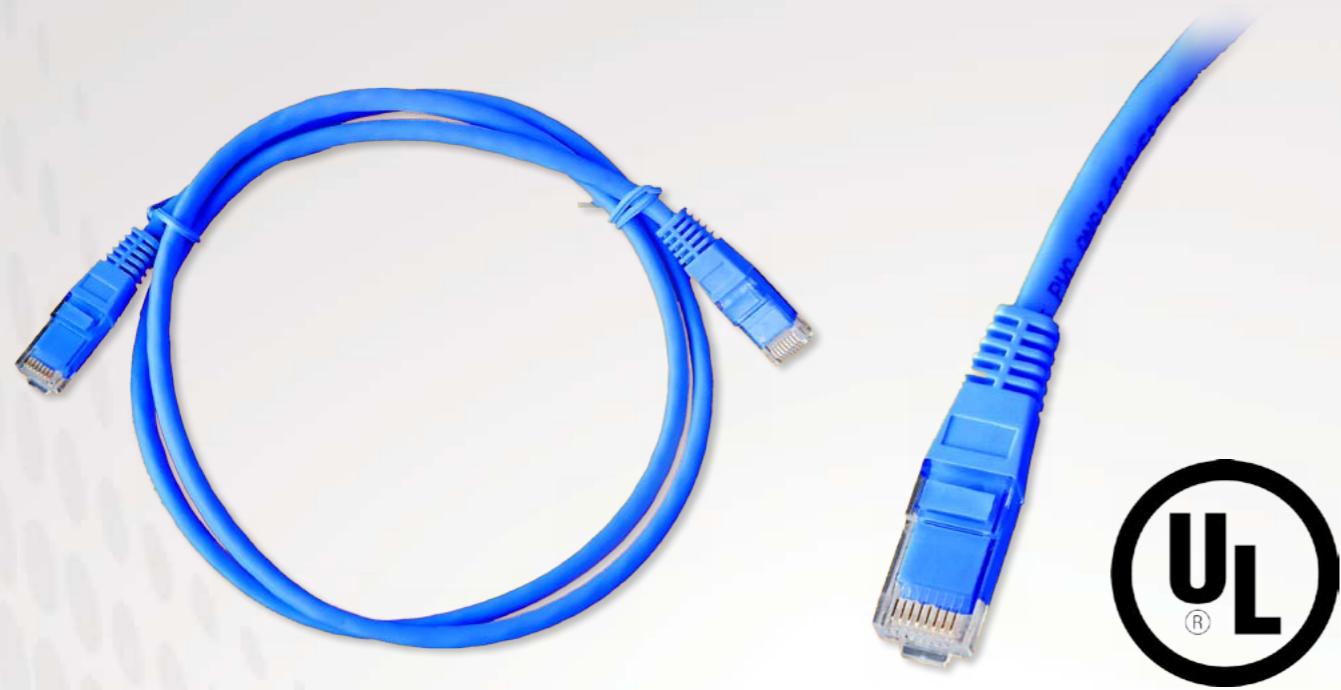
Ordering Information



Example: UTP6PVC305 - Category 6 UTP PVC LAN Cable Box of 305m

CAT6 Copper Patch Cords

Linxcom Cat6 UTP, STP, FTP, S/FTP patch cords are designed for end to end connections in equipment rooms or horizontal subsystems. Our patch cords are fully complied with ISO/IEC 11801, T-568A and T568B wiring configurations. All outer jackets can be PVC or LSZH upon customers' requests.



Features & Benefits

- UL-Certified
- ANSI/TIA568-A, En50173 & ISO/IEC 11801
- Various outer jacket materials
- Superior performance against alien crosstalk and electromagnetic noise
- Available in multiple colours and lengths
- Backward compatible with Cat5e and Cat6 products
- 50 um gold plated connector

Electrical & Mechanical Characteristics

Contact Resistance (m Ω)	<100
Insulation Resistance (m Ω)	>100
Dielectric intensity	DC 1000V (AC 700V)
Material	Plug housing: PC (UL94V-0)
Use life	>1000 times
Gold pin	Phosphor bronze with gold plating
Shielding shell	Phosphor bronze with nickel plating

Technical Specifications

Conductors	Insulators	Jacket
24 AWG	Diameter 0.98 +/- 0.05mm	6.0 +/- 0.20 External O.D.
Size 7/0.20 +/- 0.008mm	PE Material	0.5mm Thickness
Bare Copper		PVC Material

Ordering Information

Cable Construction

UTP

UTP  
FTP  
SFTP

Category

6

6=CAT6

Patch Cord

CPC

Colour

GY

RE=Red  
GR=Green  
YEL=Yellow  
OR=Orange  
GY=Grey

Length

01

01=1m  
...  
15=15m

Type of Jacket

PVC

PVC=PVC  
LS=LSZH  
HD=HDPE

Example: UTP6CPCGY01PVC - 1 Metre Category 6 UTP Copper Patch Cord with Grey PVC Jacket

CAT6 Copper Keystone Jacks

Linxcom Category 6 jacks surpass TSB 40A, EIA 568A, and DIS11801 category 6 standards. The "Enhanced" Series jacks have been powersum frequency swept to assure performance. Easy & trouble free installations, and keystone mounting. These jacks have been extensively tested in the laboratory, and in the field.

Features & Benefits

- Available in CAT6 T568A/B wiring scheme, meet or exceed TIA/EIA CAT6 requirements
- Housing: high temperature thermoplastic
- Compact jack design, 8 positions and 8 conductors
- Contact: Phosphor bronze, phosphor bronze with 6 to 50um gold plated
- Easy to be terminated, extremely low attenuation loss and high return loss
- High reliability and superior performance
- Available in different colours
- Accept 22 to 26 AWG solid with insulation diameter of 0.4-0.6mm

Conformity

- ISO/IEC 11801
- ANSI/EIA/TIA 568B.2.1
- RoHS
- UL Approved

Specifications & Performance

TECHNICAL SPECIFICATIONS (STP)	
Housing Material	PC UL94V-0
Shielding Material	Brass 0.30mm + Nickel Plating
Insert Material Flame Retardancy	ABS UL94V-0
IDC Material	Phosphor Bronze Stamp Pin 0.35mm
Contact Material	Phosphor Bronze + Gold Plating 0.50mm
RJ45 Jack Life Min.	750 Insertions
IDC Life Min.	200 Terminations

MECHANICAL PERFORMANCE (UTP)	
Jack Material	ABS
Gold Pin	Sn6.5-0.1(Y)
Thickness (Gold Coating)	6u"/15u"/30u"/50u"
Contacter	Sn6.5-0.1(Y)
Thickness (Silver Coating)	0.5um
IDC: Copper Conductor	0.4~0.6.4mm, Max. Connections> 200
Sockets	Max. Insertions> 750

Ordering Information

Construction

STP

UTP  
STP

Category

6

Keystone Jack

KSJ

Colour

WH

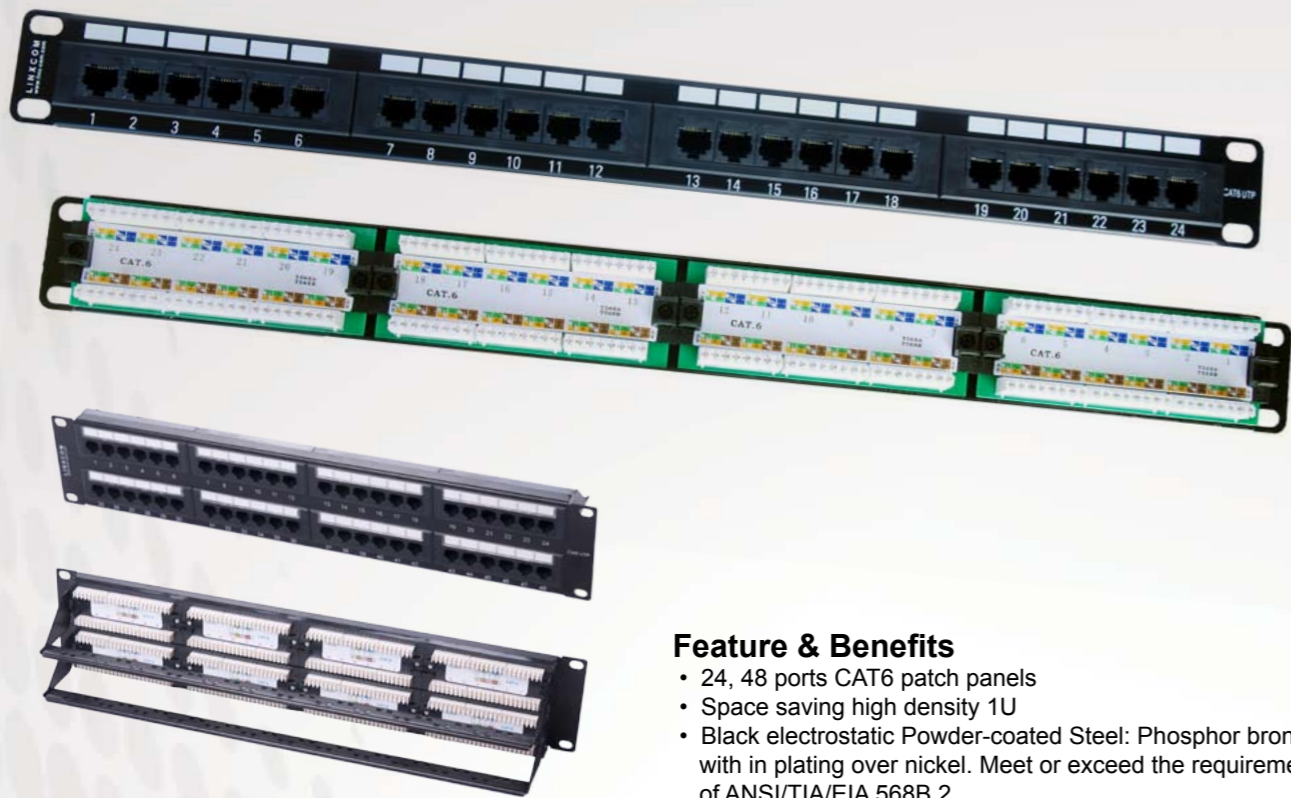
BL = Black  
WH = White  
SLV = Silver

Example: STP6KSJWH - CAT6 STP White Keystone Jack



CAT6 Copper Patch Panels

Linxcom CAT6 IDC & Keystone jack patch panels are 19 inch rack mountable RJ45 Jack patch panels. All panels comply with the EIA/TIA standard for enhanced Category 6 and are available in a choice of port density. Every patch panel is made with high quality materials and tested before it leaves our factory.



Feature & Benefits

- 24, 48 ports CAT6 patch panels
- Space saving high density 1U
- Black electrostatic Powder-coated Steel: Phosphor bronze with in plating over nickel. Meet or exceed the requirement of ANSI/TIA/EIA 568B.2
- Use keystone jacks and keystone inserts to configure your panel to accommodate a variety of schemes
- Sturdy aluminium plate around RJ45 jacks
- Phosphor bronze with 6-50 micro inches gold plated
- Available with T568 A. T568 B wiring pattern and meeting the requirement of CAT5e & 6 standards
- Colour coded TIA/EIA 568A (international) and 568B (AT&T Standards)
- Wiring for easy installation, Fit for 110 punch down tools
- Termination accepts 22, 23, 24 and 26 AWG (0.64, 0.4) solid wires

Mechanical Performance

Insertion Loss	750 cycles minimum
IDC Life	200 times (22-26 AWG Solid wire) minimum
Plug/Jack Contact Force	100 grams minimum using FCC-approved plug

Electrical Performance

Insulation Resistance	1000 Mohms minimum
Contact Resistance	7 Mohms maximum
Dielectric Intensity	AC 1000 Vrms 50Hz or 60Hz in 60s

Applications

- POTS, T1&Tq fractional
  - ISDN basic & primary rate
  - 4/16 Mbps Token Ring (IEEE802.5)
- 10 BASE-T (IEEE802.3)
  - 100 Mbps TP-PMD
- 1Gbps Ethernet (IEEE802.3)
  - 52/155 Mbps ATM (ATM Forum)

Ordering Information

Construction

Category

Style

Patch Panel

Number of Ports

STP

6

IDC

PP

24

UTP  
STP

IDC  
KSJ

24  
48

Example: STP6IDCPP24 - CAT6 STP 24 Port IDC Style Patch Panel

CAT6 Copper Molded Jack Modules

Linxcom Category 6 moulded Keystone Jack is designed for work-area network connections. The jack is fully compliant to ISO/IEC 11801 and TIA/EIA568A/B standards. RJ45 connector not only meets Cat6 standard but also is backward compatible to Cat5e/Cat5. Cat6 keystone jack has been UL certified.

Features & Benefits

- Small Form RJ45 footprint design
- 90 degree termination
- IDC tool free punch down
- Accepts 24-26 AWG
- Reduces Installation time

Conformity

- ISO/IEC 11801
- EIA/TIA T568-A
- RoHS
- UL Approved



Specifications & Performance

MECHANICAL PERFORMANCE (UTP)		ENVIROMENTAL & ELECTRICAL CHARACTERISTICS	
Jack Material	ABS (UL94V-0)	Temperature	-20° C ~ +70° C
IDC Pin	Sn6.5-0.1(Y)	Relative Humidity	Max 95% at 20° C
Thickness (Gold Coating)	6u"/15u"/30u"/50u"	Contact Resistance	≤5mΩ (under normal air condition)
Contactore	Sn6.5-0.1(Y)	Insulation Resistance	≥500MΩ (under normal air condi-tion)
Thickness (Silver Coating)	0.5um		
IDC: Copper Conductor	0.4~0.7mm, Max. Connections> 200		
Sockets	Max. Insertions> 750		

Ordering Information



Modules can be bought as part of a complete wall outlet or singular. Part numbers for these items are singular, i.e. if you require a complete wall outlet you would need to order 1x Faceplate, 1x Backbox and 2x Modules.

Description	Product Code
CAT6 UTP Molded Jack Face Module 180 degree 50*25mm - White	UTP6UKFM180J
UK Beveled Faceplate 86*86mm - White	UKBFP86
UK Back Box for Beveled Faceplate 86*86mm - White	UKBBFP86

Example: 1x UKBFP86, 1x UKBBFP86 & 2x UTP6UKFM180J - 1x Complete Wall Outlet 86\*86mm with 2x CAT6 UTP Molded Jack Modules in White.

CAT6a Copper LAN Cable

Linxcom is a leading distributor of copper telecommunication augmented CAT6 cables ideally used in Gigabit Ethernet, voice, video, multimedia and data. Our range includes UTP, FTP, and S/FTP for small, medium and large telecommunications networks. Our cables are verified by EC and third party organization (we are UL Listed) and comply with ISO11801. All outer jackets can be PVC or LSZH upon customers' requests.



Features & Benefits

- UL-Certified
- Meet or exceed requirement TIA/EIA 568 B.2, ISO/IEC 11801
- Application: Broadband Video, Gigabit Ethernet, Fast Ethernet
- The cross frameworks are striped to match corresponding colour pairs
- Ultra smooth jacket makes cable easy to pull in tight spaces

Construction

Conductor	Solid Bare Copper
AWG	23
Conductor Dia. (+0.008/0.01mm)	0.57
Insulation	HDPE
Average Thickness (±0.03mm)	0.282
Min. Point Thickness (mm)	0.2770
Insulation Dia. (±0.03mm)	1.14
Twisting Lay Length (mm)	≤20mm
Cabling Lay Length(±mm)	140
Filler	PE
Drain Wire	Tinned Copper
Jacket	LSZH/PVC
Average Thickness (±0.05mm)	0.5
Min. Point Thickness (mm)	0.4
Outer Dia.(±0.2mm)	7.2

Characteristics

Electrical		Mechanical	
1.0-100.0MHz Impedance (ohms)	100 ± 15	Test Material	PVC
100.0-250MHz Delay Skew (ns/100m)	100 ± 22	Before Tensile Strength (Mpa)	≥13.8
1.0-250.0MHz Impedance (ohms)	≤45	Aging Elongation (%)	≥100
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330	Aging Condition (oCxhrs)	100x240
Max. Conductor DC Resistance 20oC (ohms/km)	73.2	After Tensile Strength (Mpa)	≥85% of unaged
Resistance Unbalance (%)	≤5	Aging Elongation (%)	≥50% of unaged
		Cold Bend(-20±2oCx4hrs)	No crack

Ordering Information

Cable Construction

SFTP

UTP  
FTP  
SFTP

Category

6A

6A=CAT6a

Type of Jacket

PVC

PVC=PVC  
LS=LSZH

Length

500

305=305m  
500=500m

Example: SFTP6APVC500 - CAT6a SFTP LAN Cable PVC Jacket 500m  
Also available in CAT7, contact us for a copy of the CAT7 Catalogue.

CAT6a Copper Patch Cords

Linxcom Cat6 (Augmented) UTP, STP, FTP, S/FTP patch cords are designed for end to end connections in equipment rooms or horizontal subsystems. Our patch cords are fully complied with ISO/IEC 11801, T-568A and T568B wiring configurations. All outer jackets can be PVC or LSZH upon customers' requests.

Features & Benefits

- UL-Certified
- ANSI/TIA568-A, En50173 & ISO/IEC 11801
- Various outer jacket materials
- Superior performance against alien crosstalk and electromagnetic noise
- Available in multiple colours and lengths
- Backward compatible with Cat5e and Cat6 products
- 50 um gold plated connector

Electrical & Mechanical Characteristics

Contact Resistance (m Ω)	<100
Insulation Resistance (m Ω)	>100
Dielectric intensity	DC 1000V (AC 700V)
Material	Plug housing: PC (UL94V-0)
Use life	>1000 times
Gold pin	Phosphor bronze with gold plating
Shielding shell	Phosphor bronze with nickel plating



Technical Specification

Conductors	Insulators	Jacket
26 AWG	Diameter 0.98 +/- 0.05mm	6.0 +/- 0.20 External O.D.
Size 7/0.20 +/- 0.008mm	PE Material	0.5mm Thickness
Bare Copper		PVC Material

Ordering Information

Cable Construction

FTP

UTP  
FTP  
SFTP

Category

6A

6A=CAT6a

Patch Cord

CPC

Colour

GY

RE=Red  
GR=Green  
YEL=Yellow  
OR=Orange  
GY=Grey

Length

01

01=1m  
...  
15=15m

Type of Jacket

PVC

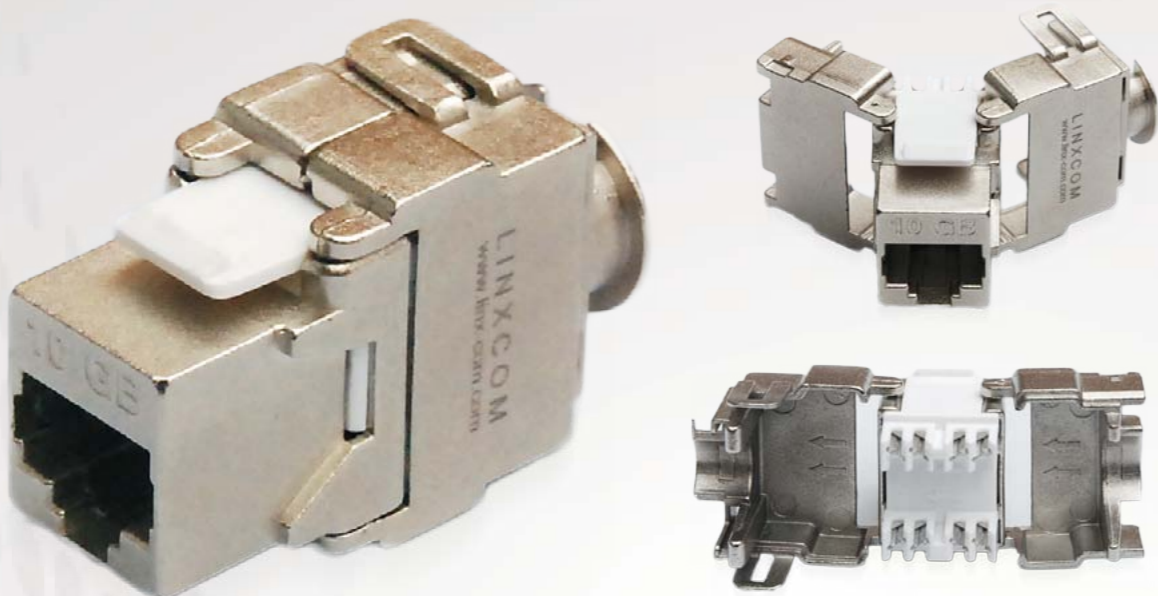
PVC=PVC  
LS=LSZH  
HD=HDPE

Example: FTP6ACPCGY01PVC - CAT6a FTP Patch Cord 1m Grey PVC

Also available in CAT7, contact us for a copy of the CAT7 Catalogue.

CAT6a Copper Tool-free Keystone Jacks

Linxcom offers full range of Category 6A including Tool-free Keystone jacks shielded Twisted Pair. We follow the industry standard keystone jack footprint. The small form design makes them perfect for high density applications. Each keystone jack is available with 180 degree termination design, wiring diagram and conductor protection cap.



Features & Benefits

- Small form RJ45 footprint design
- IDC punch down
- 180 degree termination
- High performance
- Wiring diagram, Tool-free instructions and conductor cap supplied
- Supplied in boxes of 20pcs
- A compact and ingenious design, with punching sequence direction marks on the side of the keystone jack

Applications

- Supports Category 6a networks running up to 500mhz applications
- Ideal for high density installations

Ordering Information

Construction

Category

Keystone Jack

Colour

STP

6A

KSJ

SLV

UTP  
STP

BL = Black  
WH = White  
SLV = Silver

Example: STP6AKSJSLV - CAT6a STP Keystone Jack Silver  
Also available in CAT7, contact us for a copy of the CAT7 Catalogue.

CAT6a Copper Patch Panels

Linxcom offers full range of Category 6A STP tool free patch panels conform to Class E performance. These panels offer termination using the latest in tool free keystone jack technology. All 8 wires can be loaded and termination simultaneously, drastically reducing installation time. Available in 1U 24 port format, panels are supplied fully loaded with rear management bars and fixings.



Features & Benefits

- Design to mount to any standard 19" rack or cabinet
- 24, 48 ports CAT6A patch panels
- Space saving high density 1U
- Meet or exceed the requirement of ANSI/TIA/EIA 568B.2
- Use keystone jacks and keystone inserts to configure your panel to accommodate a variety of schemes
- Loaded with 180 degree tool free keystone jacks
- Colour coded TIA/EIA 568A (international) and 568B (AT&T Standards)
- Wiring for easy installation
- Termination accepts 22, 23, 24 and 26 AWG (0.64, 0.4) solid wires
- Port Numerically identified
- Supplied with fixings

Mechanical Technical Specifications

Housing Material	PC UL94V-0
Panel Frame	High Carbon, Plastic Powder Clad
IDC Material	Phosphor Bronze Stamp Pin 0.35mm
Contact Material	Phosphor Bronze + Gold Plating 0.50mm
RJ45 Jack Life	Min 750 Insertions
IDC Life Min	200 Terminations

Conformance

- EIA/TIA 568A/B wiring standard
- ISO/IEC11801:2002
- ANSI/EIA/TIA 568B.2.1:2002
- RoHS

Ordering Information

Construction

Category

Style

Patch Panel

Number of Ports

STP

6A

KSJ

PP

24

UTP  
STP

IDC  
KSJ

24  
48

Example: STP6AKSJPP24 - CAT6a STP Keystone Jack Patch Panel 24 Ports

Also available in CAT7, contact us for a copy of the CAT7 Catalogue.

CAT3 Copper Patch Panels

Linxcom offers state of the art CAT3 50 and 25 Port Voice patch panels designed to mount to any standard 19" cabinet. Designed and produced according to the ISO/IEC 11801 and EIA/TIA-568B standards and very easy to install and manage.



Features & Benefits

- Qualified Cat.3 Permanent Link/Channel of
- ISO/IEC11801
- Available in 50 & 25 port models
- 1U Height
- 19" to fit most racks and cabinets



Specifications

Gold Plating	3u", 6u", 15u", 30u", 50u"	Contact Resistance	7m ohms maximum
Silver Plating	1.25um, 5um	Dielectric Intensity	AC 1000 Vrms 50Hz or 60Hz in 60s
Insertion Life	750 cycles min.	Storage Temperature	-40 to 70°C
IDC Life	200 times (22-26AWG Solid Wire) min.	Operating Temperature	-10 to 60° C
Plug/Jack Contact Force	100 grams minimum using FCC-approved plug	Relative Humidity	95%, non-condensing
Insulation Resistance	1000M ohms minimum		

Ordering Information

Category

CAT

Category

3

Patch Panel

PP

Number of Ports

50

25

50

Example: CAT3PP50 - Category 3 Patch Panel 50 Ports

CAT3 UTP Multi-pairs Telephone Cable

CAT3 cable application can include: POTS, T1 Fractional ISDN basic and primary Rate. 4/16 Mbps Token Ring 10 Base-T (IEEE 802.3), 100Base-T4 (fast Ethernet).

Features & Benefits

- Available for indoor and outdoor use
- Up to 240 pairs.
- Mandatory minimum cable for new home installations
- Typically used for telephone systems, but can be used for network applications
- Ensures broadband capabilities



Specifications

Impedance (ohms)	16±15	Before Tensile Strength (Mpa)	≥13.8
Pair to Ground Capacitance Unbalance (PF/100m)	330 Max.	Againg Elongation (%)	≥100
Conductor DC Resistance (ohms/km)	≤93.8	Againg Conditions (C*hrs)	100x240
Resistance Unbalance (%)	5	After Tensile Strength (%)	≥85 of unaged
Test Object	Jacket	Aging Elongation (%)	≥50 of unaged
Test Material	PVC	Cold Bend (-20±2C×4hrs)	No rack

Electrical Performance

Frequency (Mhz)	SRL (dB)	Insertion Loss (dB/100m)	NEXT (dB)
0.772	12.0	2.2	43
1.0	12.0	2.6	41
4.0	12.0	5.6	32
8.0	12.0	8.5	28
10.1	12.0	9.7	26
16	10.0	13.1	23

Ordering Information

Category

UTP3

Indoor/Outdoor

ID

ID=Indoor  
OD=Outdoor

No.of Pairs

10P

10P=10 Pairs  
100P=100 Pairs

Jacket

PVC

PVC=PVC  
LS=LSZH

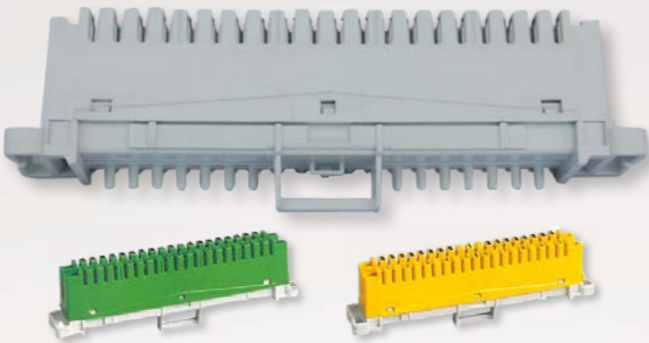
Example: UTP3ID10PPVC - CAT3 UTP 10 Pairs PVC Cable

CAT3 10 Pair Connect/Disconnect Modules

Linxcom connection/disconnection modules provide a complete solution for voice, mid and low speed data transmission. The modules can be mounted on main distribution frame/cabinets or distribution boxes for use in connection of exchange lines and jumper wires.

Features & Benefits

- IDC connecting technology,
- Ease of stripping and wiring,
- Disconnected and protected by related accessories
- Modules can be equipped with 10 pair magazine and protectors
- Designation labelling system is available on the modules
- 8 pair connect/disconnect module available
- Available in metal profile



Specifications

Material Module	PBT/ABS(UL94V-0)	Conductor Diameter	ø0.4~0.63mm (22~26AWG)
Reed	Stannum bronze with silver plating	Contact Resistance	<7 MΩ
Pull Out Force	F≥25N(axial), F≥7.5N (radial)	Insulation Resistance	≥1000MΩ
IDC Insertions	>200 times	Dielectric Intensity	DC 1200V, 60S no spark over and fly arc in 1 min

Ordering Information

Description	Product Code
10 Pair Connecting Module - Grey	LXM10PCMGRY
10 Pair Disconnecting Module - Grey	LXM10PDMGRY
8 Pair Connecting Module - Grey	LXM08PCMGRY
8 Pair Disconnecting Module - Grey	LXM08PDMGRY

CAT3 Indoor Distrubution Boxes

Linxcom offers a variety of indoor & Outdoor distribution boxes and cabinets suitable for LSA disconnection & connection modules. Accommodating for indoor: 30, 50 and 100 pairs boxes; outdoor: 30, 50 and 100, 340, 680 and 1020 pairs.



Ordering Information

Outdoor/Indoor

Box/Cabinet

No. of Pairs

LXM

OD

CD

B

50

PM

OD=Outdoor  
ID=Indoor

B=Box  
C=Cabinet

30=30  
...  
1020=1020

Example: LXMODCDB50PM - Outdoor Connect/Disconnect Box of 50 Pairs Modules

Pass-Through Copper Coupler

Pass through Keystone Jacks are available in UTP and in STP. Performances of our couplers in both CAT5e and CAT6 meet and exceed the industry standard TIA/EIA 568-B. Cat5e and Cat6pass through couplers fit into Linxcom empty UTP and STP 24 ports panels, Pass-through keystone jacks are the typical use for patching.



Feature & Benefits

- RJ45 Keystone jack inline Coupler According to UL 1863
- Meet TIA/EIA-568-A and TIA/EIA-568-B Category 5e
- Meet TIA/EIA-568-A and TIA/EIA-568-B Category 6
- Meet TIA/EIA-568-A and TIA/EIA-568-B Category 3
- Meet ISO/IEC Generic Cabling Standard 11801
- 90 Degree angle
- 110 Type termination

Specifications

Current Rating	1.5 Amp Max
Voltage Rating	150 Volts
Contact Resistance	20 m-ohms
Insulation Resistance	500M-ohm
Dielectric Withstand Voltage	1000 V AC RMS, 60Hz 1min
Housing Material	PC UL94V-0
IDC Material	PC UL94V-0, Accept 22-26 AWG Solid Wire
PCB Material	FR4 1.6mm (0.04") thickness, 2 layers

Ordering Information

Pass-through Couplers can be bought seperately or can be combined with an empty patch panel to create a pass-through panel. Both the Couplers and Patch Panels are available in UTP and STP and can be loaded to specific requirement.

Description	Product Code
UTP Empty Patch Panel 24 Ports	UTPEMPTYUPP24
STP Empty Patch Panel 24 Ports	STPEMPTYUPP24



Structure

Category

Colour

UTP

5E

PTC

WHT

UTP=UTP  
FTP=FTP

5E=CAT5e  
6=CAT6

WHT=White  
BLK=Black  
SLV=Silver

Example: UTP5EPTCWHT - CAT5e UTP Pass-Through Coupler - White

Faceplates

UK



Description	Product Code
UK Face Plate 86*86mm	UKBFP86
UK Back Box 86*86mm	UKBBFP86
UK Flat Module 50*25mm	UKFMFP5025
UK Angled Module 50*25mm	UKAMFP5025
UK Blank 50*25mm	UKBLANK

French



Description	Product Code
French Face Plate 80*80mm	FRBFP80
French Back Box 80*80mm	FRBBFP80
French Half Module 45*22.5mm	FRFMFP45225
French Full Module 45*45mm	FRFMFP4545
French Blank 45*22.5mm	FRBLANK

Network Point Splitters



Description	Product Code
CAT5e UTP Network Splitter - White	UTP5ENPSWHT
CAT5e UTP Network Splitter - Black	UTP5ENPSBLK
CAT6 UTP Network Splitter - White	UTP6NPSWHT
CAT6 UTP Network Splitter - Black	UTP6NPSBLK
CAT5e STP Network Splitter - White	STP5ENPSWHT
CAT5e STP Network Splitter - Black	STP5ENPSBLK
CAT6 STP Network Splitter - White	STP6NPSWHT
CAT6 STP Network Splitter - Black	STP6NPSBLK

Junction Boxes



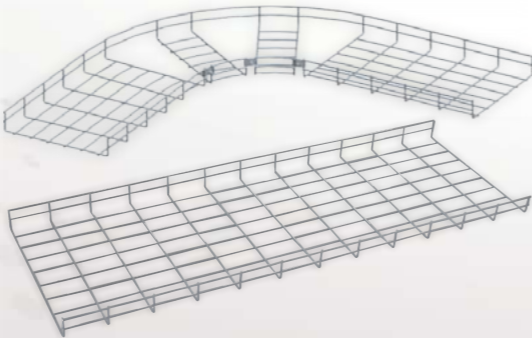
Description	Product Code
CAT5e UTP Junction Box - White	UTP5EJBWHT
CAT5e UTP Junction Box - Black	UTP5EJBBLK
CAT6 UTP Junction Box - White	UTP6JBWHT
CAT6 UTP Junction Box - Black	UTP6JBBLK
CAT5e STP Junction Box - White	STP5EJBWHT
CAT5e STP Junction Box - Black	STP5EJBBLK
CAT6 STP Junction Box - White	STP6JBWHT
CAT6 STP Junction Box - Black	STP6JBBLK

Wire Cable Tray

Material	Q235 Steel, SS304, SS316 & SS316L
Surface Finish:	
Electro zinc plated	indoor use to BS EN 12329-2000, 12 microns
Powder coated	indoor use to JG/T3045-1998, 6-10 microns
Hot Dip Galvanized	outdoor use to BS EN 1461-1999, 60-80 microns

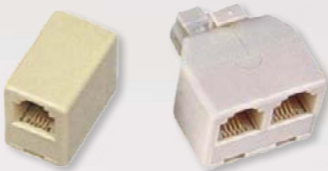
Wire Mesh Cable Trays are constructed with a 50mm x 100mm mesh configuration, but are available customised to requirement.

Please contact us for more information or to place an order.



CAT3 Accessories

In-line Couplers



Description	Product Code
Simplex In-line Coupler - 6P2C	LXMSILCT6P2C
Simplex In-line Coupler - 6P4C	LXMSILCT6P4C
Simplex In-line Coupler - 6P6C	LXMSILCT6P6C
Simplex In-line Coupler - 8P8C	LXMSILCT8P8C
Duplex Modular Coupler - 6P2C	LXMDILCT6P2C
Duplex Modular Coupler - 6P4C	LXMDILCT6P4C
Duplex Modular Coupler - 6P6C	LXMDILCT6P6C
Duplex Modular Coupler - 8P8C	LXMDILCT8P8C

Line Jack Units



Description	Product Code
2/2A PABX master with capacitor, resistor and back box	LXMLJU22APABX
4/1A PSTN master with arrester, capacitor and resistor	LXMLJU41APSTN
4/2A PABX master with capacitor and resistor	LXMLJU42APABX

Telephone Boxes



Description	Product Code
RJ11 wall jack with toolless jack gel filled	LXMTBTFJGF01
RJ11 wall jack with keystone jack	LXMTBKSJ01

Plugs



Description	Product Code
CAT5e UTP RJ45 Plug	UTP5EPLUGS
CAT6 UTP RJ45 Plug	UTP6PLUGS
CAT5e STP RJ45 Plug	STP5EPLUGS
CAT6 STP RJ45 Plug	STP6PLUGS
CAT3 UTP RJ11 Plug	UTPRJ11PLUGS

Boots for Patch Cords



Description	Product Code
RJ45 Boot - Grey	RJ45BOOTSGRY01
RJ45 Boot - Red	RJ45BOOTSRED01
RJ45 Boot - Blue	RJ45BOOTSBLE01

Cable Ties



Description	Product Code
15mm Cable Tie	CABLETIE15MM
21mm Cable Tie	CABLETIE21MM
40mm Cable Tie	CABLETIE40MM

Velcro Cable Ties



Description	Product Code
125mm Velcro ties - 180pcs Roll	VELTIES125MM180BLK
200mm Velcro Ties - 112pcs Roll	VELTIES200MM112BLK

Copper Tooling Kits

Our newest copper tool kit line is made individually for every installer to make performing an installation easier and quicker. Tailored for high performance, copper installers can really reap the benefits of having all their tools in one convenient case.



LXMCTK03



LXMCTK02



LXMCTK01

Ordering Information

Using the table below, pick which kit is right for you.

Description	LXMCTK01	LXMCTK02	LXMCTK03
4x Die Sets for CATV Connectors, Modular Plugs, Mini-Coaxial & Belden			X
7pcs Folding Hex Key Set		X	X
Utility Knife			X
7" Heavy-Duty Scissors for Fibre Optic			X
3m Tape Measure			X
Storage Box with 11 Compartments			X
6" Diagonal Cutting Pliers			X
6" Long Nose Pliers			X
5 1/4" Screwdriver Handle with Ratchet		X	X
17pcs Nut & Screwdriver Set		X	X
Digital Multimeter			X
Solder Pen 60/40 15g Diameter 1mm Wire			X
De-Solder Sucker with Anti-Static Tip			X
Soldering Iron 30W/230V 4mm Nickel Plated Tip			X
Automatic Wire Stripper 1.0/1.6/2.0/2.6/3.2mm			X
High Performance Modular Crimping Tool	X	X	X
New Multi-Network Cable Tester for UTP, STP & BNC	X	X	X
UTP 8P8C & 6P4C RJ11 Plugs	X	X	X
RJ45 Caps (Various Colours)	X	X	X
CAT5e UTP Patch Cord 3ft - Grey			X
Enhanced CAT5e UTP Cable 24 AWG Solid Wire 30m			X
Impact Punch Down Tool with 110 Blade	X	X	X
UTP/STP CAT5e Cable Stripper & Cutter	X	X	X

Crimping Tool



A universal crimping tool. It can strip and cut cable as well as crimping for RJ45, RJ11 and RG12

Product Code
LXMCCT1

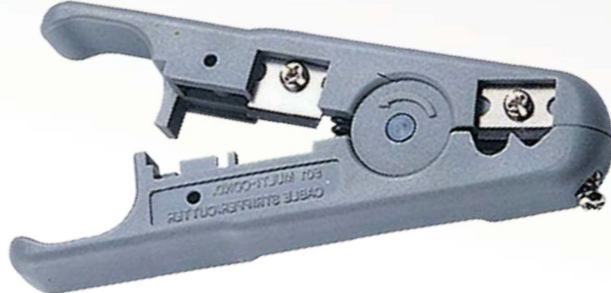
Punch-down Tool



An essential tool for any copper cable installer. For use with all terminating such as, modules, patch panels and keystone jacks

Product Code
LXMP11

Copper Cable Stripper/Cutter



An easy-to-use dual-use tool, which strips and cuts varying thickness' of copper cable. Stripper Cutter Sheath tool for cables from 3.2mm to 9mm Ø

Product Code
LXMSUSCS3.2MM9

Multi-Network Tester



Basic LAN multi-network tester with Transmitter and Receiver

Product Code
LXMLANMNTGR01

Copper Wire Stripper



The only tool for stripping, it can strip almost any wire thickness required by an installer.

Product Code
LXMWCS01

# Cabinets and Enclosures.



**Including:**

Wall-Mounted Cabinets  
Floor-Standing Cabinets  
Accessories

Wall-mounted Cabinets

Linxcom's wall-mounted cabinets are very cost effective without sacrificing the metal thickness needed to assure a high loading capacity. All our cabinets come with accessories as standard, offering many advantages such as making an installer's work easier as well as saving time and money.

Feature & Benefits

- Precise dimensions and elegant look
- 60kg loading capacity (UDL)
- Built up to customers' requirements
- Single or double section cabinet
- Wall and floor stand installation type. Optional castor and support feet for floor standing.
- Lockable sides
- Wire path on the top and the bottom
- Movable frame according to requirement
- Optional 120mm 1pc or 2 pcs axial motor
- Quick release of side doors which come with standard latches and locks
- Grey or Black color available upon request
- Easy to install (only one person installation)
- Comes flat packed or assembled.
- Standard ventilation at the top and bottom of all four sides of the cabinet

Specifications

- SPCC quality cold rolled steel
- Degrease, acid pickling, rust prevention and parkerizing, pure water cleaning, static electricity plastic painting
- 1.5mm square hole strips, others 1.2mm
- RAL9004, RAL7044
- RoHS Compliance
- Comply with ANSI/EIA RS-310-D, IEC297-2, DIN41491, PARTI, DIN41494, PART7, GB/T3047, 2-92STANDARD



Ordering Information



	Model	Colour	Width	Depth	No. of Units
LXM	A	BLK	6	6	09
	A=Model A B=Model B Q=Model Q	BLK=Black GRY=Grey	5=540mm 6=600mm	4=450mm 5=550mm 6=600mm	06=6U 09=9U 12=12U 15=15U 18=18U

Example: LXMA BLK6609 - Model A Black Wall-Mounted Cabinet 600\*600mm 9U

For more information on cabinets, please contact us for a copy of our Enclosures Catalogue.

Floor-standing Cabinets

Linxcom Floor standing cabinets are easy and reliable to install. They provide high mechanical strength against every environmental condition.



Features & Benefits

- Precise dimensions and elegant look
- Medium duty cabinets of durable modular construction
- 800kg static load capacity (UDL)
- Built up to customers' requirements - choice of front glass door, front mesh door, Vented ....
- High grade knod and lock
- Heavy duty castors and adjustable feet at the same time
- Lockable sides
- Wire path on the top and the bottom can be closed
- Wire groove with wide cable management on both sides
- Movable frame according to installation requirement
- U marking on frames from both sides

Specifications

- SPCC quality cold rolled steel
- Degrease, acid pickling, rust prevention and parkerizing, pure water cleaning, static electricity plastic painting
- 2mm square hole strips, others 1.2mm
- RAL9004I, RAL7044
- RoHS Compliance
- Comply with ANSI/EIA RS-310-D, IEC297-2, DIN41491, PARTI, DIN41494, PART7, GB/T3047, 2-92STANDARD

Ordering Information



	Model	Colour	Width	Depth	No. of Units
	LXM	W	BLK	8	1
	A=Model A	BLK=Black	6=600mm	6=600mm	22=22U
	B=Model B	GRY=Grey	8=800mm	8=800mm	27=27U
	E=Model E			9=900mm	32=32U
	K=Model K			1=1000mm	37=37U
	W=Model W				42=42U

Example: LXMWBLK8142 - Model W Black Floor-standing Cabinet 800\*1000mm 42U

For more information on cabinets, please contact us for a copy of our Enclosures Catalogue.

PDU - Power Distribution Units



Ordering Information

PDU

Way  
15  
01=1 way  
...  
20=20 way

Plug Type  
UK  
UK=UK  
FR=French  
EU=European  
IEC=IEC Style

Circuit Breaker  
CB  
Add only if appropriate

Vertical  
VT  
Add only if appropriate

Example: PDU15UKCBVT - 15 Way Vertical PDU UK Plug with Circuit Breaker

1U Sliding Shelves



Depth	Product Code
600mm	LXMA-2-600
800mm	LXMA-2-800
960mm	LXMA-2-960

1U Fixed Shelves



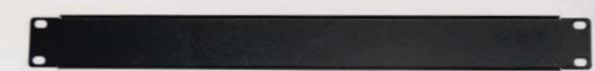
Depth	Product Code
600mm	LXMA-4-600
800mm	LXMA-4-800
960mm	LXMA-4-960

1U Cable Management



Model	Product Code
Metal Lid-type	LXMA-9
Plastic Rings	LXMA-17
Brush Panel	LXMA-11

19" Blanking Panels



Unit Size	Product Code
1U	LXMA-7-1U
2U	LXMA-7-2U
3U	LXMA-7-3U
4U	LXMA-7-4U

Adjustable Feet



Product Code
LXMA-13

Baying Kits



Product Code
BAYINGKITC01

Cable Glands



Size	Product Code
PG13.5	CABLEGLANDPG13.5
PG19	CABLEGLANDPG19

Cooling Fans



Product Code
LXMA-26

Castors



Brake	Product Code
No Brakes	LXMA-15
With Brakes	LXMA-14

Locks



Brake	Product Code
Advanced Lock	LXMA-18
Lock with Rotary Handle	LXMA-20

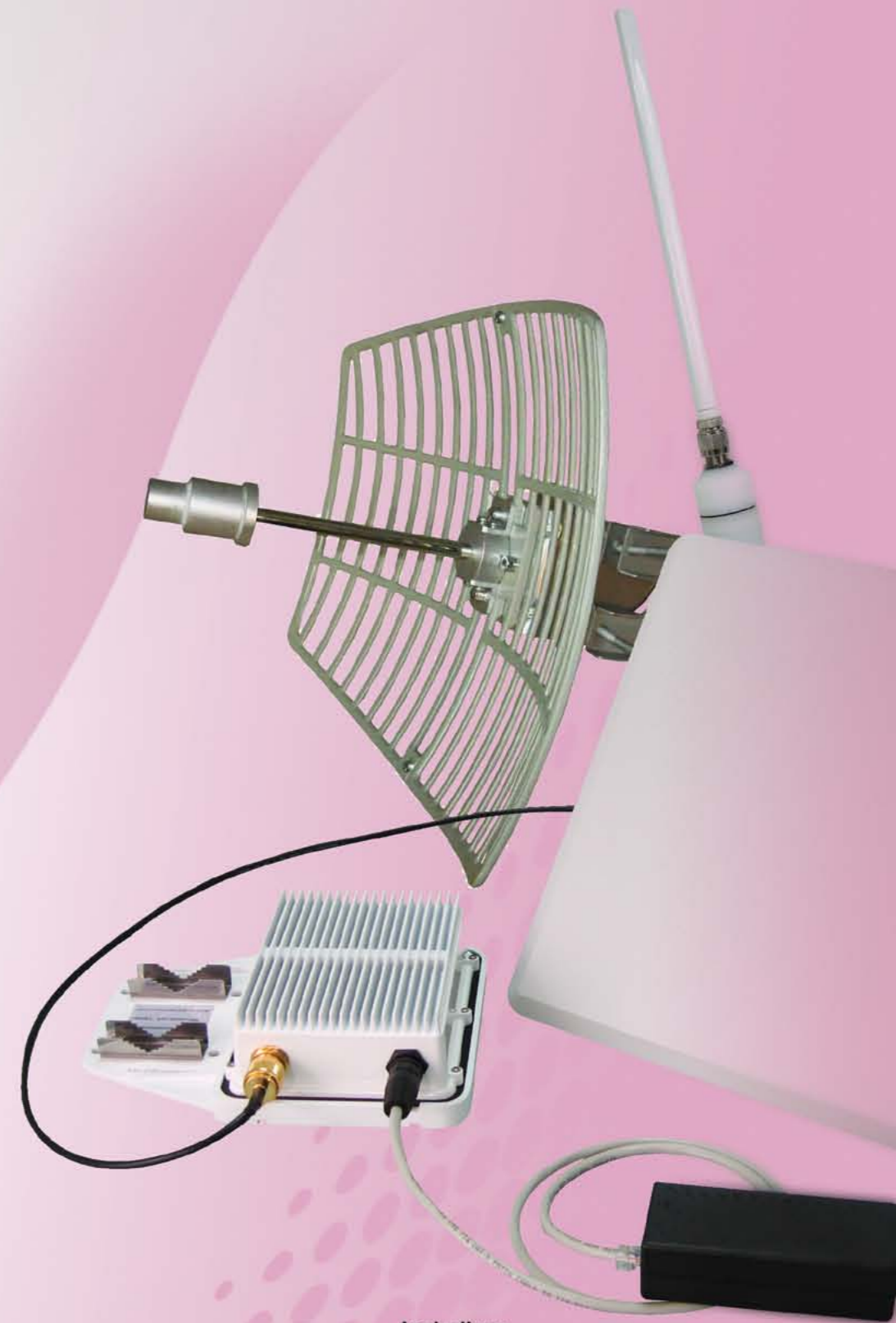
Cage Nuts



Product Code
LXMA-26

For more information on cabinet accessories, please contact us for a copy of our Enclosures Catalogue.

# Wireless Solutions.



**Including:**

Bridges  
Backhuls  
Access Points  
Antennas

Wireless Bridge & Access Point

The Linxcom wireless bridge consists of 5Ghz Bridge and 2.4Ghz Access Point with dual antenna and dual polarization to double the throughput. The Linxcom wireless bridge comes complete with built-in lightning protection circuits and an outdoor long range up to 20km.



Features & Benefits

- Mobile IP City Wi-Fi System AP rated 300Mbps
- 2x2 MIMO, dual-radio, 5GHz/2.4GHz outdoor long range up to 20Km NLOS 2-4Km
- 5GHz Bridge 802.11N/A
- 2.4GHz AP 802.11N/G/B
- Total 4x antenna ports; Bridge and AP each 2 antenna ports
- IP68 rated enclosure, true weather-proof, -35c~75c
- Built-in lightning protection circuits
- MIMO is an important part of modern wireless communication standards IEEE 802.11n (Wifi), 4G, 3GPP ,LTE, WiMAX and HSPA+

Specifications

- Standards Compliance: IEEE 802.11a/b/g/n; IEEE802.3; IEEE802.3u; IEEE802.3x
- MCU: Atheros AR7141
- RF: Atheros AR9220 (5GHz Backhaul) + AR9223 (2.4GHz AP)
- SDRAM: 32 M Byte
- Flash: 8 M Byte
- Physical Interfaces: Auto sensing MDI/MDI-X Ethernet 10/100Base-T x 1: RJ-45



Technical Information

	802.11 a/n (2x2) Radio as Bridge for Backhaul	802.11 b/g/n (2x2) Radio as AP for broadcasting
Radio Frequency Type	OFDM	DSSS/OFDM
Modulation	IEEE 802.11a/n: OFDM with BPSK, QPSK, 16QAM, 64QAM	IEEE 802.11n/g: OFDM with BPSK, QPSK, 16QAM, 64QAM IEEE 802.11b: DBPSK, DQPSK, CCK
Frequency Band	5.15 ~ 5.35 GHz, 5.47 ~ 5.725 GHz, 5.725 ~ 5.825 GHz	2.412~2.4835GHz
Transmission Power	23dBm (max)	26dBm (max)
Antenna Port	2 x N-type female Transmit and Receive diversity	2 x N-type female Transmit and Receive diversity
Sensitivity	IEEE 802.11a: -96dBm @ 6Mbps; -83dBm @ 54Mbps IEEE 802.11n: -95dBm @ HT20; -91dBm @ HT40	IEEE 802.11b/g: -96dBm @ 6Mbps; -83dBm @ 54Mbps IEEE 802.11n: -96dBm @ HT20; -90dBm @ HT40
Security Systems	64-bit/128-bit/152-bit WEP and WPA (-PSK with TKIP/AES) encryption	64-bit/128-bit/152-bit WEP and WPA (-PSK with TKIP/AES) encryption
Operation Mode	Bridge - PTP and PtMP (up to 8 links)	AP
Data Rate	MCS 0 – MCS 7 (15/30/45/60/90/120/135/150Mbps) MCS 8 – MSD 15 (30/60/90/120/180/240/270/300Mbps)	

Ordering Information

Description	Product Code
Linxcom 5Ghz Bridge and 2.4Ghz Access Point	LXMA300NBAP

For more information on wireless products, please contact us for a copy of our Wireless Catalogue.

Wireless Access Point

The Linxcom Access Point has no lock-ups which makes it ideal for WISP. With no booster for the best signal clearness it boasts up to 25km range.

Features & Benefits

- on-board 800mW, NO booster (no self harmonic noise), best signal clearness. Up to 25Km
- 8 + 32MB big memory & automatic watchdog – no lockups !! Ideal for WISP
- 3-LED for operation indication and easy diagnosis
- Support Multi-SSID and VLAN
- WMM option: enhance user performance and density QoS
- Highest security level: WPA2/ WPA/802.1X
- Robust weather-proof, operating under -35C ~ 70C
- 4 programmable operating modes for all aspect applications



Specifications

Standards Compliance	IEEE 802.11b, IEEE 802.11g, IEEE 802.3, IEEE 802.3u, IEEE 802.3af
SDRAM	32 M Byte
Flash	8 M Byte
Radio Frequency Type	DSSS/OFDM
Modulation	IEEE 802.11b: CCK,DQPSK,DBPSK IEEE 802.11g: OFDM with BPSK, QPSK, 16QAM, 64QAM
Frequency Band	America/FCC: 2.412~2.462 GHz (11 channels); Europe CE/ETSI: 2.412~2.472 GHz (13 channels)
Transmission Power	IEEE 802.11b: 29 dBm@1~11Mbps IEEE 802.11g: 22 dBm@54Mbps; 23dBm@48Mbps; 25dBm@36Mbps; 26dBm@6~24Mbps
Transmission Rate	IEEE 802.11b: 1/ 2/ 5.5/ 11Mbps IEEE 802.11g: 6/ 9/ 12/ 18/ 24/ 36/ 48/ 54Mbps
Access Point Interfaces	Auto MDI/MDI-X Ethernet 10/100Base-TX: RJ-45
Sensitivity	IEEE 802.11b: -98dBm @ 1Mbps; -93dBm @ 11Mbps, PER < 8% IEEE 802.11g: -95dBm @ 6Mbps; -75dBm @ 54Mbps, PER < 10%



Security Systems	64-bit/128-bit/152-bit WEP encryption; Wi-Fi Protected Access (WPA)/ WPA2
Wireless Setting	AP/ Client / Wireless Bridge (WDS) PTP and PtMP (up to 16 links)/ Repeater, Channel Selection (Setting varies by Country), Adjustable transmit power by 1dBm step

Ordering Information

Description	Product Code
Linxcom 2.4Ghz Access Point for WISP	LXM2408GAP

For more information on wireless products, please contact us for a copy of our Wireless Catalogue.

Wireless Antenna

Long Range Outdoor USB-CPE has high specifications with a low cost. The omni-directional design is alignment-free and boasts distances up to 4km non-LOS and 10km with LOS.

Features & Benefits

- Complies IEEE 802.11 N/G/B standard
- IP67 enclosure for outdoor use : survive 27~131°F (-3 ~55°C)
- Dual-chip design : RealTek 3070L + 1-watt output chip; low temp., big power
- Support 150 Mbps data rate
- High output power : 1-watt immediate radio RF output;
- High EIRP radiation power with 7-dbi antenna: 30dBm + 7dbi =37dBm/6-watt
- Omni-directional design for alignment-free; up to 4Km non-LOS and 10Km with LOS
- Complies with Universal Serial Bus Rev. 1.0, 1.1 and 2.0 specifications and UPnP
- Support 64/128-bit WEP encryption, advanced WPA/WPA2 AES/TKIP and WPS security
- Support 20/40 MHz Bandwidth in AP mode
- Low power consumption (USB) with advanced power management
- Support driver for Windows 2000, XP 32/64 and Vista 32/64, Apple Mac and Linux

Specifications

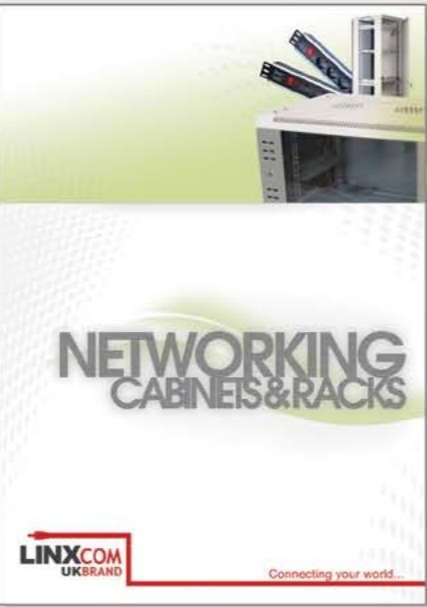
Standards Compliance	IEEE 802.11b/g, 802.11 draft n 2.0, USB 2.0
Chipsets Solution	RealTek 3070L, Our own masked 1-watt RF power chip (2 chipset solution)
Modulation	IEEE802.11b: CCK,DQPSK,DBPSK, IEEE802.11g: OFDM with BPSK, QPSK, 16QAM, 64QAM, IEEE802.11n draft 2.0:
Frequency Band	America/FCC:2.412~2.462 GHz (11 channels) Europe CE/ETSI:2.412~2.472 GHz (13 channels) Japan : 2.412~2.484 GHz (14 channels)
TX Power (radio RF output)	20~30dBm (100mW~1W) adjustable
TX Power (EIRP radiation output with 7-dbi antenna)	20dBm + 7-dbi ~ 30dBm + 7-dbi = 27dBm (500mW) ~ 37dBm (6-watt) adjustable
Transmission Rate	IEEE802.11b: 1/2/5.5/11 Mbps, IEEE802.11g: 6/9/12/18/24/36/48/54 Mbps, IEEE802.11n draft 2.0: 150 Mbps
Access Protocol	CSMA/CA
Sensitivity	-91dBm @ 11Mbps, PER < 8% packet size 1024; -76dBm @ 54Mbps, PER < 10% packet size 1024; -76±2dBm @ 65Mbps: 802.11n(20MHz); -74±2dBm @ 135Mbps: 802.11n(40MHz);
Frequency Stability	With ±10ppm
Antenna Type	External 7dBi Dipole Antenna (Optional)
Security Systems	64/128-bit WEP,WPA-PSK,WPA2-PSK,802.1X and Cisco CCX support WPS PIN/PBC
USB	USB 2.0 with 10 m (30ft) high quality USB cord
Temperature	27~131°F (-3 ~55°C)
Network Management System OS Support	Windows 2000/XP32-64/Vista32-64/Macintosh/Linux

Ordering Information

Description	Product Code
Linxcom Wireless Antenna	LXM2410NGB

For more information on wireless products, please contact us for a copy of our Wireless Catalogue.

Additional catalogues and informational brochures available:



Cabinets & Racks



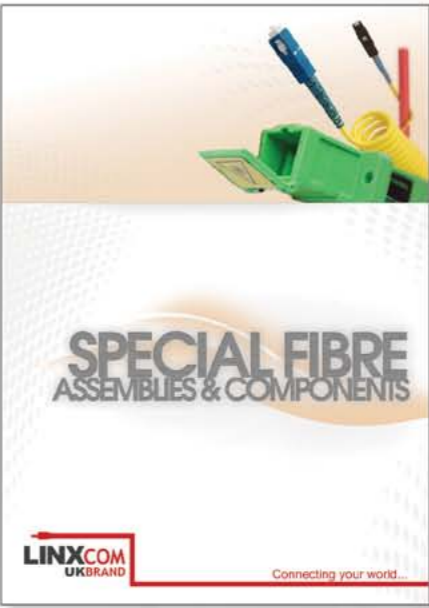
Copper Category 7



Fibre Optic Active



FTTx & Telco



Special Assemblies & Components



Sliding Patch Panel

Please contact us to aquire a copy of any additional material.



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# LINXCOM UK BRAND

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