

LX.5™ Patch Cords and Pigtails



Features

- Half the size of SC connectors
- Hinged self-actuating shutters on both the connector and adapter offer dust protection and laser-safety
- For singlemode and multimode applications
- Intermateability standards:
 - IEC 61754-23
 - TIA/EIA 604-13
- Invented and patented by ADC

Fiber types

ADC KRONE standard singlemode fiber meets G.652.D specifications. The fiber for reduced bend radius application corresponds to G.657.A+B.

Riser Cable

- Riser cables are made from flame-retardant material intended for use in riser shafts without the use of conduit. This cable material will prevent the carrying of fire from floor to floor.
- ADC KRONE riser cables meet UL Flammability Standards 1666 OFNR.

LSZH Cable

- Low smoke zero halogen (LSZH or LSOH) is a type of cable jacketing made of polypropylene that emits limited smoke and no halogens when exposed to fire or strong heat. They do not produce a dangerous gas/acid combination in case of fire.
- ADC KRONE LSZH cables comply with the flammability specifications outlined in IEC 60332-1, IEC 61034 und IEC 60754-1/2.

TECHNICAL DATA



www.adckrone.com • Technical Assistance Centre: +32 2 712 6542 • euro.tac@adckrone.com

Freephone (UK only): 0800 960236

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Catalog Number

Patch Cords (connectors on both ends)

FPC ____ - ____ - ____ - ____

Pigtails (connector on one end)

FPT ____ - ____ - ____ - ____

Fiber Type	Diameter	Jacket/buffering	Colour	Code
Standard	0,9 mm	Tight buffered	white	9
Standard	0,9 mm	Semi tight buffered	yellow	9K
Standard	1,8 mm	LSZH	yellow	H1
Standard	1,8 mm duplex	LSZH	yellow	H2
Standard	2,0 mm	Riser	yellow	M
Standard	2,0 mm duplex	Riser	yellow	2
Standard	2,4 mm	LSZH	yellow	H5
Reduced bend radius	0,9 mm	Tight buffered	blue	9W
Reduced bend radius	0,9 mm	Semi tight buffered	blue	9A
Reduced bend radius	1,8 mm	LSZH	blue	HA
Reduced bend radius	1,8 mm duplex	LSZH	blue	HB
Reduced bend radius	2,0 mm	Riser	blue	MW
Reduced bend radius	2,0 mm duplex	Riser	blue	2W

Connector Type	Code
LX.5/UPC	SPLX
LX.5/UPC duplex	SDLX
LX.5/APC	ALX5
LX.5/APC duplex	ADLX

Fiber Type	Code
For cable code M and 2	Blank
Standard	S
Reduced bend radius	P

Assembly length	Code
1 to 20 m in 1 meter increments	001...020
25 to 65 m in 5 meter increments	025...065
70 to 150 m in 10 meter increments	070...150

Ordering example:

FPCH1-ALX5-S-5M:

Singlemode patch cord with LX.5/APC connector on both ends, LSZH cable 1,8mm, length 5m

FCPM-ALX5/SPLX-3M:

Singlemode patch cord with LX.5/APC on one side and LX5/UPC on the other side, Riser cable 2mm, length 3m

Connector Specifications

Optical Performance of Singlemode Patch Cords		
		LX.5
Insertion loss	against reference ¹⁾	< 0,25 dB typ. 0,10 dB
	random mated ²⁾	< 0,45 dB typ. 0,15 dB
Return loss	UPC polishing	> 55 dB
	APC polishing	> 65 dB
Mechanical Performance/Features		
		LX.5
Standard	IEC	61754-23
	TIA/EIA	604-13
Ceramic ferrule	diameter	1,25 mm
Colour	UPC polishing	blue
	APC polishing	green
Strain relief ³⁾		100 N
Service life		1000 cycles

1) according to IEC 61300-3-4

2) according to IEC 61300-3-34

3) depending on cable type

TECHNICAL DATA



Web Site: www.adckrone.com

EMEA Office: ADC GmbH, Beeskowdamm, 3-11, 14167 Berlin, Germany • Phone: +49 30 8453-0 Fax: +49 30 8453-1703. For a listing of all ADC KRONE's global sales office locations, please refer to our web site.

UK Office: ADC Communications (UK) Ltd., Runnings Road, Kingsditch Trading Estate, Cheltenham, Gloucestershire GL51 9NQ, United Kingdom • Phone: +44 (0) 1242 264 400 Fax: +44 (0) 1242 264 488 contactuk@adckrone.com

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