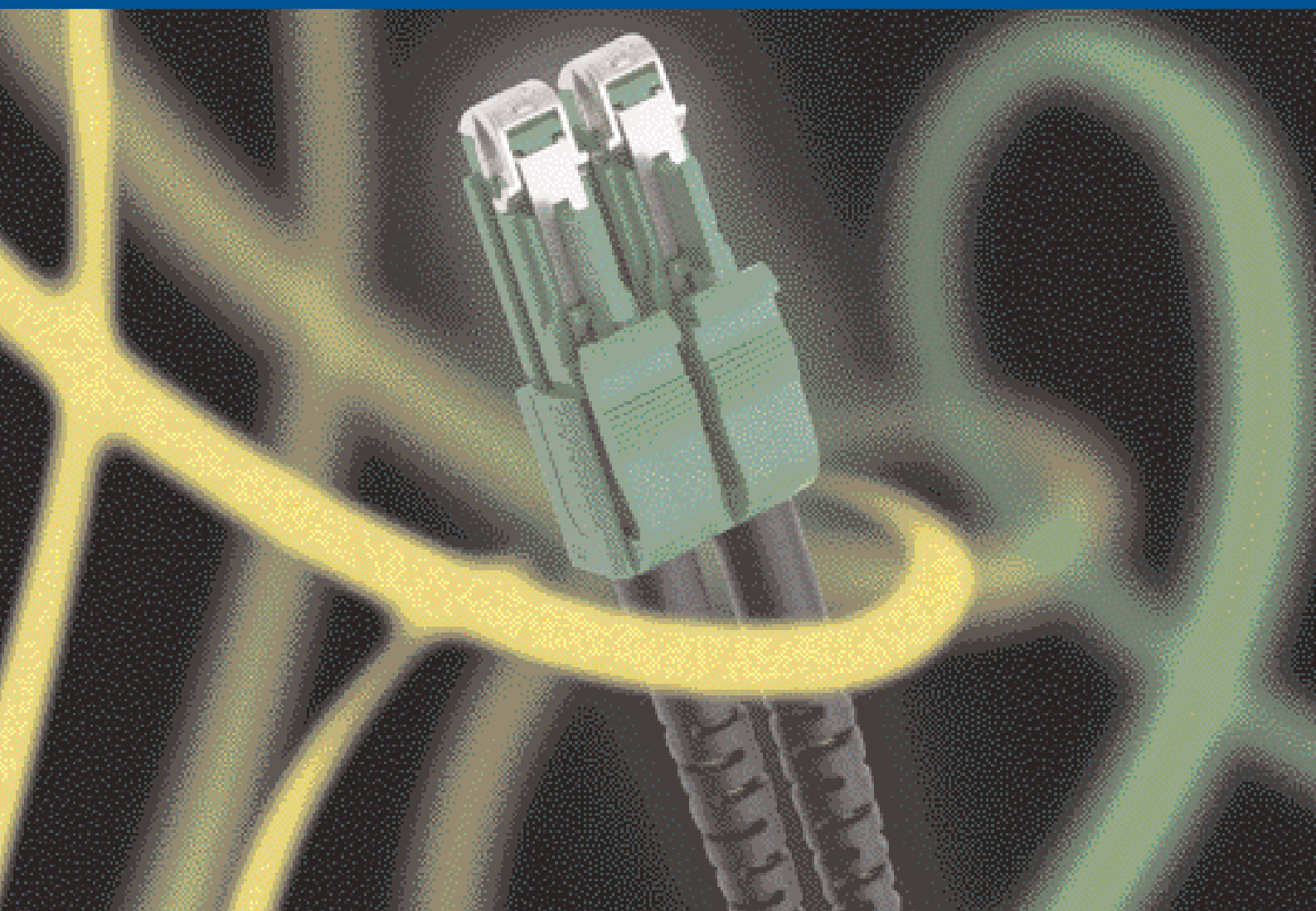




SUHNER® FIBEROPTIC LX.5 CONNECTOR FAMILY





SUHNER LX.5: The Safest Small

High performance at high packing density

Today's patch fields with high packing densities do not only require a compact design of single components, but also a stable optical transmission performance.

The LX.5 connector, based on the 1.25 mm ferrule technology, is the only standardized SFF connector filling the gap between high packing density and safety due to its metal shutter.

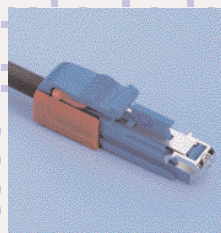
Features/Benefits

- SUHNER FIBEROPTIC tuning for highest optical performance
- for 0.6 mm tubes and cables up to 2.4 mm
- Removable color coding of connectors
- Metal shutter
- Mechanical interface according to IEC 61754-23/CD
- Snap-in locking element for easy and secure handling
- Suitable for HighPower applications

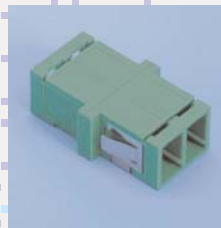
Applications

- Telecommunications networks
- Patching in distribution equipment
- Transmission technology
- Local Area Networks (LAN) and inhouse cabling systems
- Fiber-To-The-Home
- Sensor systems
- Measuring techniques
- Railways

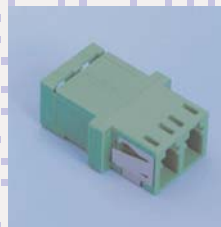
Complete LX.5 Product Family from SUHNER FIBEROPTIC



LX.5 HighPower connector



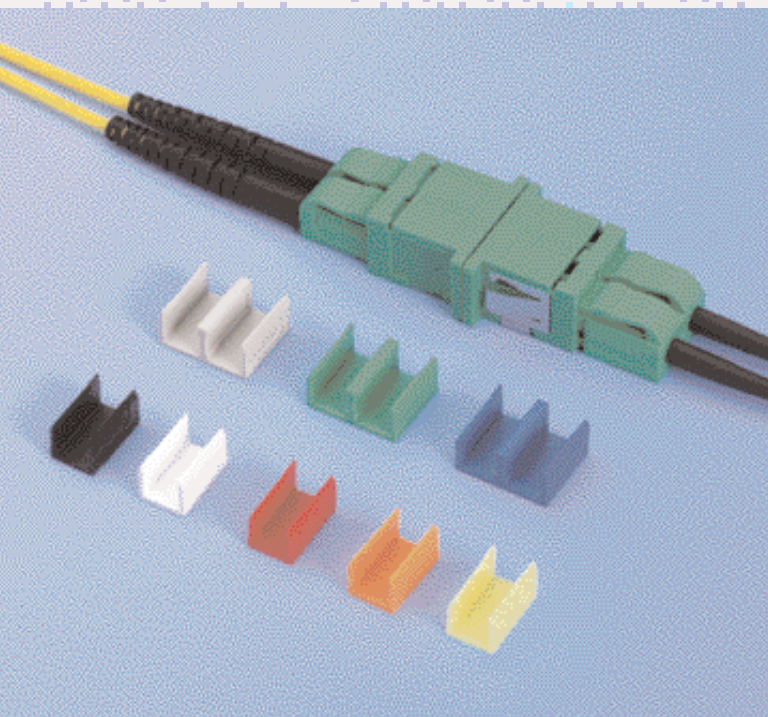
LX.5 adapter SC footprint



LX.5 - LC adapter SC footprint



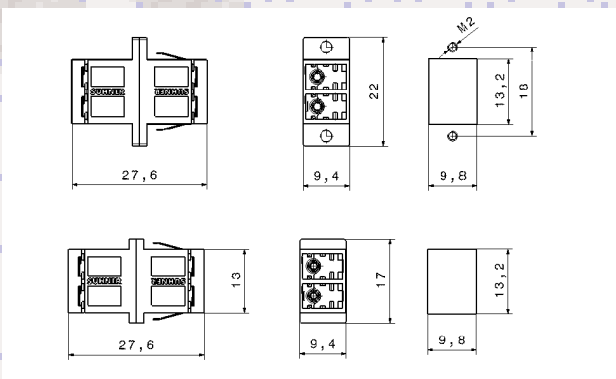
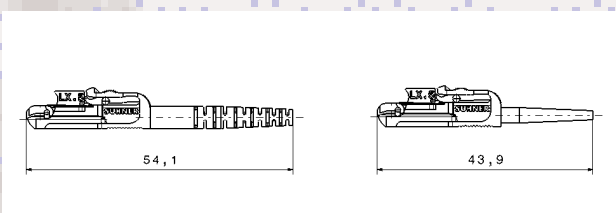
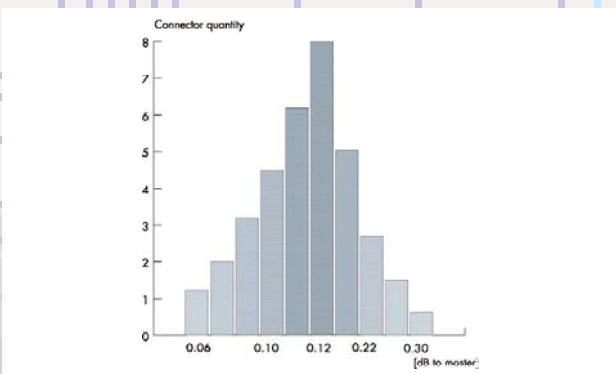
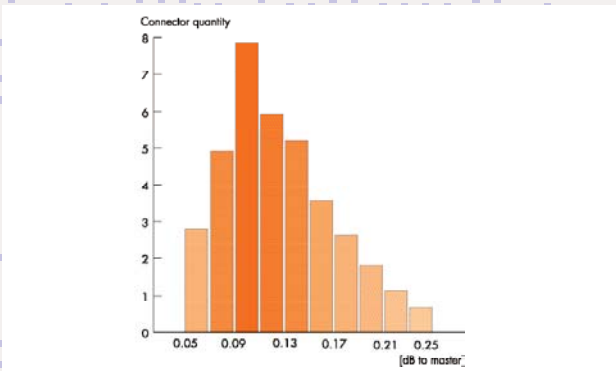
Angled boot 45° and 90°



The simplex coding clips are available in 12 different colors.



Form Factor Connector



Premium Class

	each-to-each IEC 61300-3-34	to master IEC 61300-3-4
Insertion loss	98% 0.3 dB mean 0.09 dB	0.25 dB
Return loss	PC	> 45 dB
IEC 61300-3-6	APC	> 85 dB
Ferrule end face geometry according to Telcordia GR-326-Core, issue 3		
Tuning	all connectors are tuned	

High-End Class

	each-to-each IEC 61300-3-34	to master IEC 61300-3-4
Insertion loss	98% 0.4 dB mean 0.12 dB	0.35 dB
Return loss	PC	> 45 dB
IEC 61300-3-6	UPC	> 50 dB
	APC	> 85 dB
Ferrule end face geometry according to Telcordia GR-326-Core, issue 3		
Tuning	all connectors are tuned	

Technical Data LX.5

Operating temperature	-40° C to +85° C, depending on cable type
Min. mating cycles	500
Connector material	UL 94-V0, full ceramic zirconia
Adapter material	UL 94-V0, slotted zirconia ceramic sleeve

Ordering Information LX.5

LX.5 assemblies

Please find the following ordering information for LX.5 assemblies in our general catalogue, or on www.hubersuhner.com

- Fiber type
- Types and colors of cable
- Connector code
- Optical Performance

Connectors (without clip)

FLX5-Z/K-A002	LX.5 SM, ¹⁾ blue	FLX5-Z/K-H002	LX.5 SM Premium, ¹⁾ blue
FLX5-Z/K-A003	LX.5 SM, ²⁾ blue	FLX5-Z/K-H003	LX.5 SM Premium, ²⁾ blue
FLX5-Z/K-A601	LX.5 SM APC, ¹⁾ green	FLX5-Z/K-H601	LX.5 SM Premium APC, ¹⁾ green
FLX5-Z/K-A602	LX.5 SM APC, ²⁾ green	FLX5-Z/K-H602	LX.5 SM Premium APC, ²⁾ green
FLX5-Z/K-B004	LX.5 MM, ¹⁾ beige	FLX5-Z/K-B003	LX.5 Multimode ¹⁾
FLX5-Z/K-B005	LX.5 MM, ²⁾ beige	FLX5-Z/K-B003	LX.5 Multimode ²⁾

¹⁾ <1 mm tube ²⁾ ruggedised cable

Adapters

FLX5-FLX5-A101-02	LX.5 Duplex, Singlemode, blue	FLX5-FLX5-D101-02	LX.5 Duplex, Singlemode, blue
FLX5-FLX5-A102-02	LX.5 Duplex, SM HighPower, blue	FLX5-FLX5-D102-02	LX.5 Duplex, SM HighPower, blue
FLX5-FLX5-A601-02	LX.5 Duplex, SM APC, green	FLX5-FLX5-D601-02	LX.5 Duplex, SM APC, green
FLX5-FLX5-A602-02	LX.5 Duplex, SM APC HighPower	FLX5-FLX5-D602-02	LX.5 Duplex, SM APC HighPower
FLX5-FLX5-A201-02	LX.5 Duplex, Multimode, beige	FLX5-FLX5-D202-02	LX.5 Duplex, Multimode, beige

Crimpsets

009-BK-H002	black	021-BK-H001	black
017-BK-H001	black	024-BK-H001	black

Duplex clip

FLX5-DUP-BL2	Duplex clip blue
FLX5-DUP-GN2	Duplex clip green
FLX5-DUP-BG2	Duplex clip beige

Simplex clip

FLX5-CLP-BK1	Simplex clip black
FLX5-CLP-BL1	Simplex clip blue
FLX5-CLP-BN1	Simplex clip brown
FLX5-CLP-GN1	Simplex clip green
FLX5-CLP-GR1	Simplex clip grey
FLX5-CLP-OR1	Simplex clip orange
FLX5-CLP-PK1	Simplex clip pink
FLX5-CLP-PU1	Simplex clip purple
FLX5-CLP-RD1	Simplex clip red
FLX5-CLP-TU1	Simplex clip turquoise
FLX5-CLP-WT1	Simplex clip white
FLX5-CLP-YE1	Simplex clip yellow

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001.

WAIVER

While the information contained in this folder has been carefully compiled to the best of our present knowledge, it is not intended as representation or warranty of any kind on our part regarding the suitability of the products concerned for any particular use or purpose and neither shall any statement contained herein be construed as a recommendation to infringe any industrial property rights or as a license to use any such rights. The suitability of each product for any particular purpose must be checked beforehand with our specialists.



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