Amphenol SOCAPEX

LC FTV

Fiber Optic Solution - Transform your LC patchcord into an Environmental Connector

RoHS COMPLIANT

LC Field offers an easy system to upgrade from a standard to an environmental LC with no cabling operation for installation in field. Based on MIL-DTL-38999 series III type, plugs and receptacles are mated thanks to a Tri-Start thread coupling mechanism.

Main features

Main characteristics:

- Thread coupling, MIL-DTL-38999 series III type
- Shell size 19
- The LC Field offers an easy system to upgrade from a standard to an environmental LC.
- Sealed against fluids and dust (IP68)
- Shock, vibration proof

With the patented RJStop® system you can use a standard LC patchcord in a metallic plug which will protect it from shocks, dust and fluids.
No hazardous on-field cabling!

Mechanical characteristics:

- Number of Channels: 2
- Typical Insertion Loss: 0,5dB in MultiMode and SingleMode
- Durability 500 mating/unmating cycles (changes for<0,2 dB)

Environmental protection :

- Material and platings:
  - 48h - Aluminium shell with Nickel plating ✓
  - 500h - Aluminium shell with Black zinc nickel plating ✓
  - 500h - Aluminium shell with Olive drab cadmium plating
  - 500h - Marine bronze shell ✓
- Operating temperature: -40°C to +85°C (-40°F to 185°F)

✓: RoHS compliant

Markets & Applications

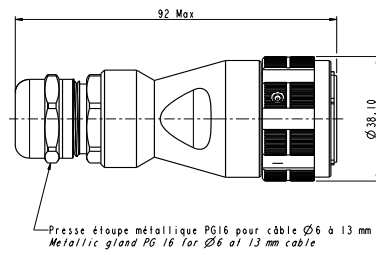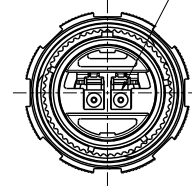Railways

Base Station

Military Communication

Naval

Amphenol SOCAPEX

LC FIELD

Plug

Plug – Shell type 6M

Part number type: **LCFTV 6M X X X**

92 Max

Ø 38,10

Presse étoupe métallique PG16 pour câble Ø6 à 13 mm
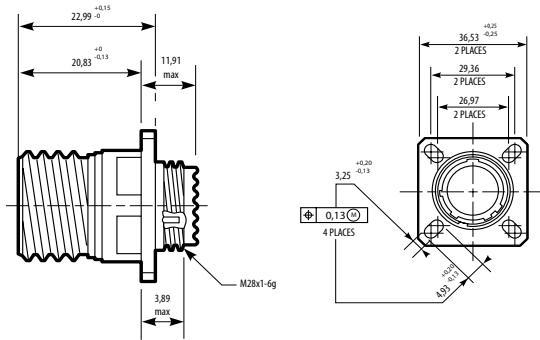*Metallic gland PG 16 for Ø6 at 13 mm cable*

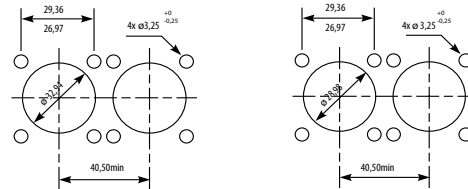Connecteur LC Duplex (Non fourni)
LC Duplex connector (Not supplied)

Receptacles

Square flange receptacle – Shell type 2
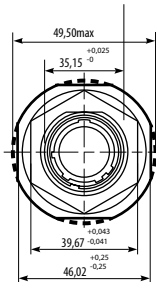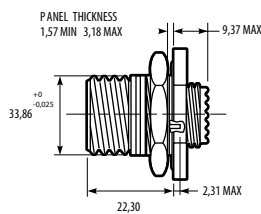
Part number type: **LCFTV 2 X X X**

22,99 $^{+0,15}_{-0}$

20,83 $^{+0}_{-0,13}$

11,91 max

36,53 $^{+0,25}_{-0,25}$ 2 PLACES

29,36 2 PLACES

26,97 2 PLACES

3,25 $^{+0,20}_{-0,13}$

⊕ 0,13 Ⓜ 4 PLACES

M28x1-6g

3,89 max

Panel Drilling

29,36
26,97

4x ø3,25 $^{+0}_{-0,25}$

40,50min

29,36
26,97

4x ø 3,25 $^{+0}_{-0,25}$

40,50min

Jam nut receptacle – Shell type 7

Part number type: **LCFTV 7 X X X**

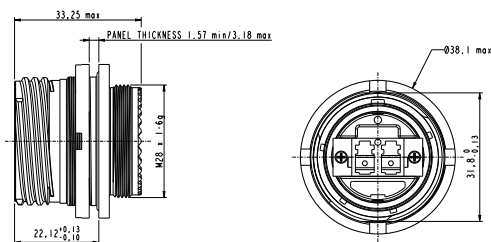PANEL THICKNESS 1,57 MIN 3,18 MAX

9,37 MAX

33,86 $^{+0}_{-0,025}$

2,31 MAX

22,30

49,50max

35,15 $^{+0,025}_{-0}$

39,67 $^{+0,043}_{-0,041}$

46,02 $^{+0,25}_{-0,25}$

Panel Drilling

ø 35,16

33,86 $^{+0}_{-0,25}$

47,00min
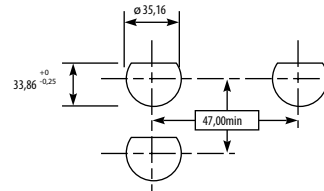
Reduced flange receptacle – Jam nut shell type 7m nut shell type 19

Part number type: **LCFTV 7 X X X F312**

33,25 max

PANEL THICKNESS 1,57 min/3,18 max

M28 x 1-6g

22,12 $^{+0,13}_{-0,10}$

Ø38,1 max

31,8 $^{+0}_{-0,13}$

Panel Drilling

Ø 33 $^{+0,1}_{0}$
[1,3 $^{+0,004}_{0}$]

31,9 $^{+0,1}_{0}$ on flats
[1,256 $^{+0,004}_{0}$]

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Due to technical progress, all information provided is subject to change without prior notice
Designed by Amphenol Socapex

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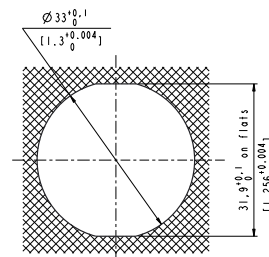
Accessories

Protective caps

Plug caps

29,62 MAX

25 (inches)

39,19 mm

Receptacle caps

23.0 MAX

25,40 mm
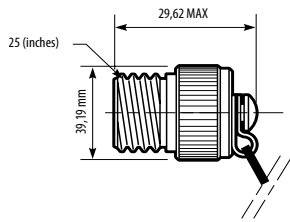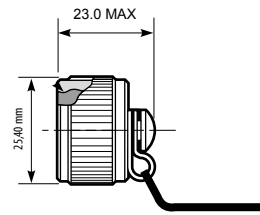
LC Field Tools

Mounting tools

LCFTV MO TOOL: LC FIELD Mounting tools

Dismounting tools

LCFTV DM TOOL: LC FIELD Dismounting tools *(To dismount the LC you need to use both dismounting and mounting tools)*

Assembly video

LC Field is assembled

Scan & Discover !

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LC FIELD

How to order - Connectors

1.	2.	3.	4.	5.	6.
Series	Shell type	Cable type	Shell finish	Polarization	Deviation
LCF TV	6M	D	N	N	F312

1. Series

LCF TV	Optical connector type

2. Shell type

Plug	**Plug** - *Compatible for all LC PC and APC Duplex*	
	6M	Plug with metal backshell and metal PG clamp
Receptacle without backshell	*Compatible for all LC PC Duplex (adapter blue color)*	
	2	Square flange receptacle
	7	Jam Nut receptacle
	Compatible for all LC APC Duplex (adapter green color)	
	2A	Square flange receptacle
	7A	Jam nut receptacle

3. Cable type

Only for plug	Cable gland			
Cable type	ø 1,6 mm	ø 2 mm	ø 2,8 mm	ø 6 to 13 mm
Flat duplex cable	D:	F:	H:	
Duplex zipcord	E:	G:	I:	
Tactical cable				J:
T	Flat duplex cable for 1,6 mm - 2 mm - 2,8 mm + Duplex zipcord for 1,6 mm - 2 mm - 2,8 mm			

Only for receptacle *(no backshell available for RECEPTACLE)*

0	Receptacle without backshell

4. Shell finish

N	Nickel plated ✓
G	Olive drab cadmium
B	Bronze ✓
ZN	Black zinc nickel ✓
Z	Vert zinc cobalt ✓

✓ RoHS compliant

5. Polarization

N	Normal or A / B / C / D / E

6. Deviation (only for receptacle)

F312	Reduced flange receptacle (only for jam nut receptacle)

How to order - Caps

1.	2.	3.	4.	5.	6.
Cap Series	Protective Cap type	Wire type	Series	Shell finish	Shell size
B	EC	N	TV	W	19

1. Cap Series

B	Cap Series

2. Protective cap type

EC	For square flange receptacle
ER	For jam nut receptacle
F	For plug

3. Wire type

N	Nylon cord
Blank	Metallic chain

4. Series

TV	Series

5. Shell finish

B	Bronze ✓
F	Electroless nickel plated, aluminium version ✓
W	Olive drab cadmium plated, aluminium version ✓
ZN	Black zinc nickel ✓

6. Shell size

19	Corresponding connector shell size

Requested information to order LC Field Patchcord

Type of connector: Male /Female
Type of fiber: 50/125, 62,5/125, 9/125
Patchcord length: ex 10.5m
Drawing: description of the product
Contact us for other configuration.

Tools informations

Mounting Tools:
LCFTV MO TOOL: LC FIELD Mounting tools
Dismounting Tools:
LCFTV DM TOOL: LC FIELD Dismounting tools
(To dismount the LC you need to use both dismounting and mounting tools)

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