

## Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

[Customer Drawing](#)

Nb of contacts Coax	1
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.20 - 5.20 mm
Size	1S
Series	S - Indoor Stepped Insert

# Technical details

## Electrical Configuration

Nb of contacts Coax	1
Contact Termination Coax - Conductor fixing	Solder
Insert configuration value	15.250 - 1 Coax (50 Ohm)
Insulator	T: PTFE
Rated current	12 A
Impedance	50 Ohms
VSWR	$1.01 + 0.23 * f/\text{GHz}$
Vtest	3000 V (AC), 4200 V (DC)
Cable type	RG 178 B/U, RG 196 A/U, RG 188 A/U, RG 316 B/U, RG 174 A/U, HF-2114, RG 122 /U
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)

## Form & Material

Shell style / Model id	FLC - Elbow (90°) plug with cable collet
Plug	Elbow
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	Circular, male
Colour	Grey
Weight	14.74 g

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/flc-1s-250-ctac52.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/flc-1s-250-ctac52.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.20 - 5.20 mm

## Cables

Cable PartNumber	Material	Colour	Cable image
158480	PUR	Black	
158490	PVC	Black	<input checked="" type="checkbox"/>
CCX.50.088.292495N	PVC	Black	
CCX.50.RG5.8CU50N	PVC	Black	

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/flc-1s-250-ctac52.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/flc-1s-250-ctac52.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.