

[Standard](#)

*Image for illustrative purpose only*

## Summary

[Request a quote](#)[Coax triax mixed en](#)[Customer Drawing](#)

Nb of contacts Coax	1
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	2S
Suggested matching part	<a href="#">ERA.2S.250.CTL</a> <a href="#">PCA.2S.250.CTLC52</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-2s-250-ctac52.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-2s-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.

# Technical details

## Electrical Configuration

Nb of contacts Coax	1
Contact Termination Coax - Conductor fixing	Solder
Insert configuration value	2S.250 - 1 Coax (50 Ohm)
Footprint IPC Class3 compatibility	No
Insulator	T: PTFE
Rated current	15 A
Impedance	50 Ohms
VSWR	$1.02 + 0.95 * f/\text{GHz}$
Vtest	3000 V (AC), 4200 V (DC)
Cable type	RG 58 C/U, RG 302 /U, RG 400 /U, 2YCCY, RG 59 B/U, RG 223 /U, HF-5408
Bucket Dia.	1.8 mm (0.071in)
Contact Dia.	2 mm (0.079in)

## Form & Material

Shell style / Model id	FFA - Straight plug, cable collet
Plug	Straight
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	34.5 g

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-2s-250-ctac52.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-2s-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]	4.30 - 5.20 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFG.2B.100.PCSG</a>
----------------	---------------------------------

# Cables

Cable PartNumber	Material	Colour	Cable image
158480	PUR	Black	
158490	PVC	Black	
CCX.50.088.292495N	PVC	Black	
CCX.50.RG5.8CU50N	PVC	Black	

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-2s-250-ctac52.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-2s-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.