



*Image for illustrative purpose only*

## Summary

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Nb of contacts Coax	1
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.10 - 7.00 mm
Size	5S
Suggested matching part	<a href="#">ERA.5S.250.CTL</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-5s-250-ctac72.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-5s-250-ctac72.html)

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# Technical details

## Electrical Configuration

Nb of contacts Coax	1
Contact Termination Coax - Conductor fixing	Solder
Insert configuration value	5S.250 - 1 Coax (50 Ohm)
Insulator	T: PTFE
Rated current	45 A
Impedance	50 Ohm
OHM	50
VSWR	$1.02 + 2.3 * f/\text{GHz}$
Vtest	3000 V (AC), 4200 V (DC)
Cable type	RG 214 /U, RG 216 /U, RG 225 /U
Contact Dia.	5 mm (0.197in)

## 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	371.13 g

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## 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.)
Climatical Category	50/175/21
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]	6.10 - 7.00 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFA.5S.100.NAS</a>
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