

Special



*Image for illustrative purpose only*

## Summary

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[Coax triax mixed en](#)

[Customer Drawing](#)

Nb of contacts Coax	1
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.10 - 11.00 mm
Size	4S
Suggested matching part	<a href="#">ERA.4S.250.CTL</a> <a href="#">PCA.4S.250.CTLC11</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-4s-250-ctac11.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-4s-250-ctac11.html)

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# Technical details

## Electrical Configuration

Nb of contacts Coax	1
Contact Termination Coax - Conductor fixing	Solder
Insert configuration value	4S.250 - 1 Coax (50 Ohm)
Insulator	T: PTFE
Rated current	36 A
Impedance	50 Ohms
VSWR	1.01 + 1.9 * f/GHz
Vtest	2100 V (AC), 3000 V (DC)
Cable type	RG 214 /U, RG 216 /U, RG 225 /U, RG 225 /U, RG 213/U, RG 115 A/U, RG 11 A/U, RG 144/U, RG 165 /U
Bucket Dia.	3.7 mm (0.146in)
Contact Dia.	4 mm (0.157in)

## 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	143.79 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.)
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]	10.10 - 11.00 mm

# Recommended By Lemo

## Caps

Compatible cap	<a href="#">BFA.4S.100.NAS</a>
Cap 2	<a href="#">BFA.4S.100.NAV</a>

# Cables

Cable PartNumber	Material	Colour	Cable image
213000	PE	Black	
311100	PVC	Black	
CCX.50.RG2.13U10N	PE	Black	
CCX.75.RG0.11AU10N	PVC	Black	

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