



*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]	2.60 - 4.20 mm
Size	3S
Suggested matching part	<a href="#">ERA.3S.275.CTL</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-3s-275-clac42.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-3s-275-clac42.html)

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# Technical details

## Electrical Configuration

Nb of contacts Coax	1
Contact Termination Coax - Conductor fixing	Solder
Insert configuration value	3S.275 - 1 Coax (75 Ohm)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	15 A
Impedance	75 Ohm
OHM	75
VSWR	$1.04 + 0.05 * f/\text{GHz}$
Vtest	2700 V (AC), 3900 V (DC)
Cable type	RG 213/U, RG 115 A/U, RG 11 A/U, RG 144/U, RG 165 /U
Bucket Dia.	1.8 mm (0.0708in)
Contact Dia.	2 mm (0.0787in)

## 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	55.54 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]	2.60 - 4.20 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFG.3B.100.PCSG</a>
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## Tools

Spanner	<a href="#">DCP.91.023.TN</a>
Spanner wrench	<a href="#">DCP.91.023.TN</a>

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# Cables

Cable PartNumber	Material	Colour	Cable image
17420	PVC	Black	
17450	COPOLYMER	Black	
18000	PTFE	Brown	
18700	PTFE	White	
18800	PTFE	White	
31600	PTFE	Brown	
CCX.50.RG1.74AU28N	PVC	Black	
CCX.50.RG1.74AU28N	PVC	Black	
CCX.50.RG1.88AU26B	PFA	White	
CCX.50.RG1.88AU26B	PTFE	White	
CCX.50.RG3.16BU26M	FEP	Brown	
CCX.50.RG3.16U28M	PTFE	Brown	
CCX.75.040.195327G	PVC	Grey	
CCX.75.RG1.79BU26M	FEP	Brown	
CCX.75.RG1.87AU26B	PFA	White	
CCX.75.RG1.87AU27B	PTFE	White	
CCX.95.RG1.80BU36M	PTFE	Brown	
CCX.95.RG1.95AU37B	PFA	White	

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