

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]	6.10 - 6.50 mm
Size	1E
Suggested matching part	<a href="#">ERA.1E.250.CLL</a> <a href="#">PCA.1E.250.CLLC65</a>
Series	E - Outdoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-250-clac65.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-250-clac65.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	1E.250 - 1 Coax (50 Ohm)
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
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 mm (0.039in)
Contact Dia.	0.9 mm (0.035in)

## Form & Material

Shell style / Model id	FFA - Straight plug, cable collet
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	Circular, male
Colour	Grey
Weight	22.46 g

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-250-clac65.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-250-clac65.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	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 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 - 6.50 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFA.1E.100.NAS</a>
----------------	--------------------------------

# Cables

Cable PartNumber	Material	Colour	Cable image
159580	PVC	Black	
62000	PVC	Black	
CCX.50.RG0.58AU61J	PVC	Yellow	
CCX.75.RG0.59BU62N	PVC	Black	
CCX.93.RG0.62AU62N	PVC	Black	

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-250-clac65.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-250-clac65.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.