

**Standard***Image for illustrative purpose only*

## Summary

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

Number of contacts Low Voltage	4
Nb of contacts Coax	2
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.90 - 6.20 mm
Size	3B
Suggested matching part	<a href="#">EGG.3B.844.CLL2</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-844-clad62z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-844-clad62z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Solder
Nb of contacts Coax	2
Contact Termination Coax - Conductor fixing	Crimp
Contact Termination Coax - Screen fixing	Crimp
R (max)	5.8 mOhm
Insert configuration value	3B.844 - 2 Coax (50 Ohm), 4 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Impedance	50 Ohms
Test voltage (kV DC)	1.3
Contact Dia.	0.7 mm (0.03in)
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable adapter and nut for fitting a bend relief
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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	50.89 g

## Environment

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Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
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

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Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.90 - 6.20 mm

## Recommended By Lemo

### Accessories

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Compatible cap	<a href="#">BFG.3B.112.NAS</a>
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### Tools

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Die Tool	<a href="#">DPE.99.103.1K</a>
Spanner	<a href="#">DCP.91.023.TN</a>
Extraction tool	<a href="#">DCC.91.CP1.LAG</a>
Spanner wrench	<a href="#">DCD.3B.ZZZ.PA150</a>

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