



## Summary

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[See video assembly instructions](#)

Number of contacts Low Voltage	6
Wire Size/AWG	24 - 16
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.80 - 9.20 mm
Size	3B
Matching parts	<a href="#">EGG.3B.306.CLL</a>
Series	B - Indoor keyed

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-3b-306-clad82.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-306-clad82.html)

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## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	3.5 mOhm
Insert configuration value	3B.306 - 6 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	17 Amps
Vtest (contact-contact)	1600 V (AC), 2250 V (DC)
Vtest (contact-shell)	1150 V (AC), 1630 V (DC)
Contact Type	Solder
Max. Solid Conductor	1 mm <sup>2</sup> (AWG 16)
Max. Stranded Conductor	1 mm <sup>2</sup> (AWG 18)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)
Number of contacts Low Voltage	6
Wire Size/AWG	24 - 16
Gender	Standard

## Form & Material

Shell style / Model id	FG - 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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	47.42 g

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## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection (IP rating)	IP50
Minimal temperature	-55°C / +250°C
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]	7.80 - 9.20 mm

# Recommended By Lemo

## Accessories

Compatible cap [BFG.3B.100.PCSG](#)

## Tools

Spanner [DCP.91.023.TN](#)

Spanner wrench [DCD.3B.ZZZ.PA140](#)

# Cables

Cable PartNumber	Material	Colour	Cable image
360750	PVC	Grey	

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