



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

Number of contacts Low Voltage	8
Protocol	1000 Base-T4 (10Gb/s)
Wire Size/AWG	24 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	2B
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-2b-514-clad52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-2b-514-clad52.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

Number of contacts Low Voltage	8
Contact Termination Low voltage	Solder
Insert configuration value	2B.514 - 8 High Speed, Low Voltage (CAT 6A)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Vtest (contact-contact)	1.13
Vtest (contact-shell)	1.06
Number of differentiated pairs (High speed)	4
Protocol	1000 Base-T4 (10Gb/s)
Wire Size/AWG	24 - 22
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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	28.95 g

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-2b-514-clad52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-2b-514-clad52.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.

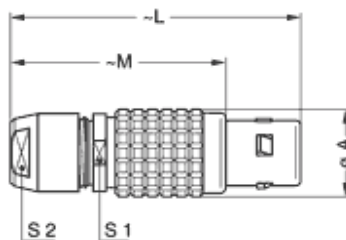
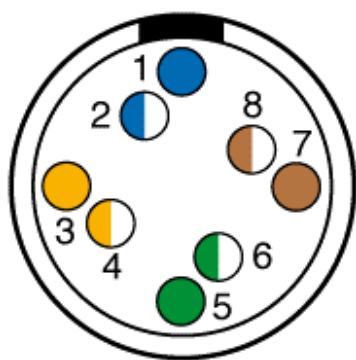
## Environment

Technical domain	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
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]	4.30 - 5.20 mm

## Drawings



## Dimensions

	<b>A</b>	<b>L</b>	<b>M</b>	<b>S1</b>	<b>S2</b>
mm.	15	50	38	13	12
in.	0.59	1.97	1.5	0.51	0.47

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-2b-514-clad52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-2b-514-clad52.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.

# Recommended By Lemo

## Accessories

---

Compatible cap	<a href="#">BFG.2B.100.PCSG</a>
----------------	---------------------------------

## Tools

---

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

Spanner wrench	<a href="#">DCD.2B.ZZZ.PA120</a>
----------------	----------------------------------

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-2b-514-clad52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-2b-514-clad52.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.