



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	4
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	26 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	0B
Suggested matching part	<a href="#">FGG.0B.304.CYCD52</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/phg-0b-304-cymd52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-0b-304-cymd52.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	0B.304 - 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	7 A
Vtest (contact-contact)	2 kV (DC)
Vtest (contact-shell)	1.6 kV (DC)
Contact retention	22 N
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Min. Conductor	0.14 mm <sup>2</sup> (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Number of differentiated pairs (High speed)	1
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	26 - 22
Gender	Standard

## Form & Material

Shell style / Model id	PH - Free receptacle, cable collet
Socket / Receptacle	Free
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	11.13 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 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]	4.30 - 5.20 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">EGG.0B.655.ZZM</a>
Compatible cap	<a href="#">BRF.0S.200.NAS</a>


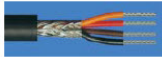

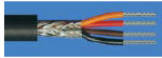


## Tools

Spanner	<a href="#">DCP.91.001.TN</a>
Positionner	<a href="#">DCE.91.070.BVM</a>
Extraction tool	<a href="#">DCC.07.04B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>
Spanner wrench	<a href="#">DCD.0B.ZZZ.PA070</a>

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.04.T22.047QGC	TPR	Grey	
CMN.04.T22.048QGZE	TPR (medical)	Grey	
140240	PVC	Black	
140250	PVC	Grey	
40260	PVC	Black	
4080	PVC	Grey	
4221	PVC	Black	
4280	PVC	Black	
80080	PVC	Grey	
80082	PVC	Red	
80084	PVC	Black	

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