



*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	32 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	3.60 - 4.00 mm
Size	0W
Series	W - Underwater

[https://www.lemo.com/int\\_en/solutions/supreme/w-underwater/fvg-0w-304-cybc40.html](https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-0w-304-cybc40.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	0W.304 - 4 Low Voltage
Rated current	7 A
Vtest (contact-contact)	1350 V (AC) 1900 V(DC)
Vtest (contact-shell)	1100 V (AC) 1600 V (DC)
Contact retention	22 N
Max. Conductor	0.09 mm <sup>2</sup> (AWG 28)
Min. Conductor	0.035 mm <sup>2</sup> (AWG 32)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.7 mm (0.028in)
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	32 - 28
Gender	Standard

## Form & Material

Shell style / Model id	FV - 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	Threaded
Keying	G: 1 key (alpha=0, Plug: male contacts, Receptacle: female contacts)
Colour	Grey
Weight	12.96 g

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## Environment

Technical domain	Specialties and Other
Environmental sealing (IP rating)	IP68
Endurance	1000 mating cycles
Temperature range	-20°C / +200°C
Climatical Category	20/200/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Pressure	30 bars
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]	3.60 - 4.00 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">FGG.0B.556.ZZC</a>
Compatible cap	<a href="#">BFG.0W.100.NAZ</a>

## Tools

Positionner	<a href="#">DCE.91.070.BVC</a>
Extraction tool	<a href="#">DCC.07.04B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>

# Cables

Cable PartNumber	Material	Colour	Cable image
40080	PVC	Black	
40086	PVC	Blue	

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