

## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 4                              |
| Wire Size/AWG                      | 26 - 22                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 4.30 - 5.20 mm                 |
| Size                               | 0B                             |
| Matching parts                     | <a href="#">EGG.0B.304.CYM</a> |
| Series                             | B - Indoor keyed               |

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-0b-304-cycd52.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-0b-304-cycd52.html)

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## Electrical Configuration

|                                   |                               |
|-----------------------------------|-------------------------------|
| 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 Amps                        |
| Vtest (contact-contact)           | 1350 V (AC), 1910 V (DC)      |
| Vtest (contact-shell)             | 1100 V (AC), 1560 V (DC)      |
| Contact retention                 | 22 N                          |
| Contact Type                      | Crimp                         |
| 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 contacts Low Voltage    | 4                             |
| Differentiated pairs (High speed) | 1                             |
| Protocol                          | USB 2.0 (480Mb/s)             |
| Wire Size/AWG                     | 26 - 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                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| Weight                 | 9.6 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   |
| 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                               |

# Recommended By Lemo

## Accessories

|                     |                                 |
|---------------------|---------------------------------|
| Replacement contact | <a href="#">FGG.0B.555.ZZC</a>  |
| Compatible cap      | <a href="#">BFG.0B.100.PCSG</a> |


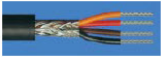




## Tools

|                 |                                  |
|-----------------|----------------------------------|
| Spanner         | <a href="#">DCP.91.001.TN</a>    |
| 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>     |
| 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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