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Summary

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Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.10 - 5.00 mm
Size	1D

Technical details

Electrical Configuration

Nb of contacts Quadrax	1
Contact Termination Quadrax	Solder
Insert configuration value	1D.694 - 1 Quadrax
Insulator	N: PBT
Rated current	0.5 A
Vtest (contact-contact)	420 V (AC), 600 V (DC)
Vtest (contact-shell)	420 V (AC), 600 V (DC)

Form & Material

Shell style / Model id	FGZ - 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	3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Weight	15.81 g

Environment

Technical domain	Security and Defence, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	1000 mating cycles
Temperature range	-40°C / +120°C
Insulating res.	10e11 Ohms
Shielding (min)	70dB (10 MHz)
Salt Spray Corrosion	>1000 hr

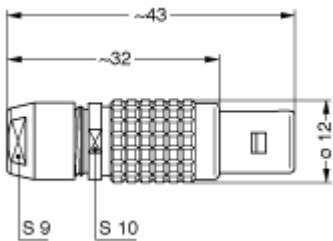
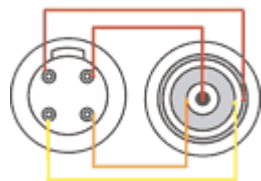
Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.10 - 5.00 mm

https://www.lemo.com/int_en/fgz-1d-694-cnld52.html

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Drawings



Dimensions

	A	L	M
mm.	12	43	32
in.	0.47	1.69	1.26