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Summary

Request a quote	
Catalog	
Nb of contacts Coax	12
Gender	Standard
Plug	Plug - Straight
Locking system	Ratchet
Jacket cable outside diameter [mm]	2.80 - 22.70 mm
Size	LM
Suggested matching part	ECW.LM.232.XLZ
Series	M - Rugged Ratchet coupling

Technical details

Electrical Configuration

Nb of contacts Coax	12
Insert configuration value	LM.232 - 12 coax (50 Ohm)
Insulator	L: PEEK
Rated current	2.5 A
VSWR	<1.25 (DC to 8 GHz) and <1.5 (8 GHz to 26 GHz)
Test voltage (KV rms) Contact-Screen	0.95
Cable type	RG-174/U , RG-188 A/U , RG-316/U , LMR-100A , Multiflex_86
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug with arctic grip
Plug	Straight
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Ratchet
Keying	W: 5 keys (alpha=95, beta=115, gamma=35, delta=25, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Delivered without coaxial contacts
Weight	18.75 g

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/fgw-lm-232-xlzst.html

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Environment

Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP68
Endurance	3000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
EMI Shielding EIA 364-66A	>= 80 dB (1 GHz), >=70 dB (3 GHz), >= 58 dB (6 GHz), >= 40 dB (10 GHz)
Gunfire vibration	25 Hz - 2000 Hz, 3 axis (Apache helicopter)
Humidity (max)	21 days at 95%
Lighting strike EIA 364-76	10K amps - 6 times
Shock Resistance	300 g [3 ms]
Thermal shock	5 cycles: -65°C to +150°C
Vibration-Random	37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz]
Vibration-Sine	30 g, 3 axes, 12 hr [10 Hz - 2000 Hz]
Salt Spray Corrosion	max. 48 hr

Cable fixation

Cable termination protection	For overmolding
Fixation type	Mold stop (overmolding)
Jacket cable outside diameter [mm]	2.80 - 22.70 mm

Recommended By Lemo

Accessories

Replacement contact	FGG.0R.250.ZLME28
Compatible cap	BGF.LM.100.XAV

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