

ENGINEERING DATA:

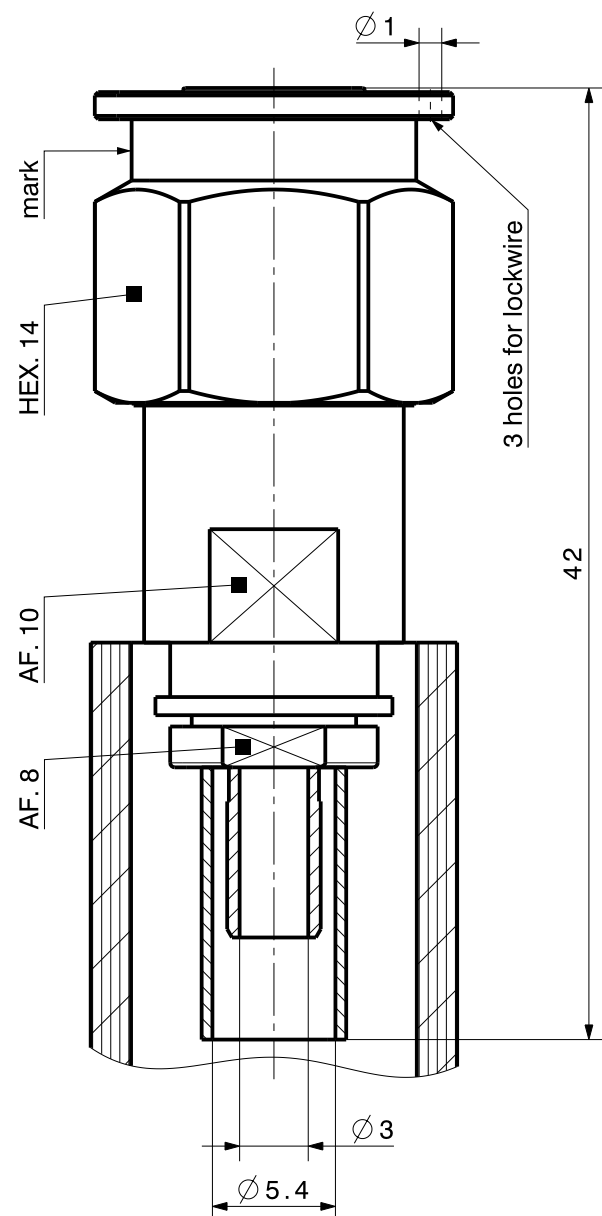
Sealing against splashing water

Temperature rating : -65°C / 165°C

Material: Body : Brass, nickel-plated
 Nut : Stainless steel
 Insulator : PTFE
 Inner conductor : Brass, gold-plated

Nominal impedance : 50 Ohm
 Frequency range : 0,1 to 6 GHz
 Voltage rating : 1000 V eff.
 Insulation resistance : ≥ 5 GOhm

Inner conductor : Hole Dia 1.05 mm



QUALIFICATION - TESTS

Examination or test		Method	Test Req.	Value paragraph	Remarks Spec.
Material		4.6.1	a.	3.3	MIL-C-39012
Finish		4.6.1	a.	3.3.1	MIL-C-39012
Dissimilar metals		4.6.1	n.a.	-	-
Design and construction (dimension)		4.6.1.1	a.	3.4	MIL-C-39012
Marking		4.6.1	a.	3.29	MIL-C-39012
Mating (visual indication)		4.6.1	a.	3.4.1	MIL-C-39012
Bajonet and threaded types		4.6.2.1	a.	≤ 0.23 Nm	-
Coupling proof torque		4.6.3	a.	> 1.7 Nm	-
Mating characteristics		4.6.4	a.	313.1	MIL-STD-348
Permeability of nonmagnetic materials		4.6.5	n.a.	-	-
Workmanship		4.6.1	a.	3.30	MIL-C-39012
Hermetic seal (pressurized connectors only)		4.6.6	n.a.	-	-
Leakage (pressurized connectors only)		4.6.7	n.a.	-	-
Insulation resistance		4.6.8	a.	≥ 5 GOhm ≥ 200 MOhm	initial after environment

Group I

Group II

Centre contact retention	4.6.9	a.	≥ 28 N	-
Corrosion	4.6.10	a.	48 h	1 pair only

Group III

Voltage standing-wave ratio	4.6.11	a.	1.40	0.1 to 6 GHz
Connector durability	4.6.12	n.a.	-	(know-how manufacturer)

Group IV

Centre contact resistance	4.6.13	a.	1.5 mOhm 2.0 mOhm	initial after environment
Dielectric withstanding voltage	4.6.14	a.	≥ 1.5 kV rms	-
Vibration	4.6.15	a.	Meth. 204 Cond. B	MIL-STD-202
Shock (specified pulse)	4.6.16	n.a.	-	-
Thermal shock	4.6.17	a.	Meth. 107 Cond. C	MIL-STD-202
Moisture resistance	4.6.18	a.	Meth. 106	MIL-STD-202
Corona level	4.6.19	a.	≥ 375 V rms	23`000 m
RF high potential withstanding voltage	4.6.20	n.a.	-	-
Cable retention force	4.6.21	a.	≥ 90 N	-
Coupling mechanism retention force	4.6.22	a.	≥ 445 N	1 pair only

Group V

RF leakage	4.6.23	n.a.	-	-
------------	--------	------	---	---

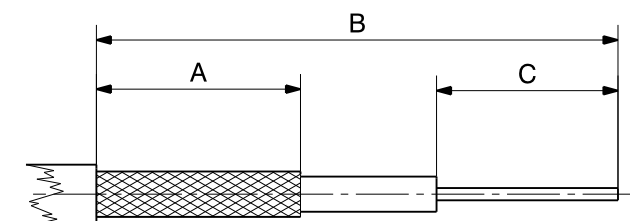
Group VI

RF insertion loss	4.6.24	n.a.	-	-
-------------------	--------	------	---	---

Group VII

Contact resistance inner conductor	4.6.13	a.	1.5 mOhm	initial
Contact resistance outer conductor	4.6.13	a.	0.85 mOhm	initial
Contact resistance: braid/point of contact	4.6.13	a.	0.6 mOhm	initial

CABLE PREPARATION



Cable	Striping dimensions		
	A	B	C
XF	9	23	9

TOOLS REQUIRED

	Crimp tool	Positioner	Positioner	Selector
		Die	Color	setting
Inner contact	M 22520/1-01	M 22520/1-13	Red	7
Outer contact	M 22520/5-01	M 22520/5-05	--	--

Diese Zeichnung ist unser geistiges Eigentum und darf ohne unsere Einwilligung weder kopiert, vervielfältigt noch Dritten oder Konkurrenzunternehmen zugänglich gemacht werden. (Art. 12 B. G.)
 This drawing is copyright. Information contained thereon is supplied in confidence and must not be used for any other purpose than which it was supplied, or be reproduced without written permission of the owners.

type / Typ: 11_TNC-50-3-34 / ASN-E 0461 F01

dimensions in millimeter [mm] part no. / Teile Nr.: PRO-00007801 B sheet/Blatt

description / Beschreibung drawing-no. / Zeichnungsnr. Release

Cable plug DOU-00007801 H

alternative ID: 3.13.19883