

ENGINEERING DATA:

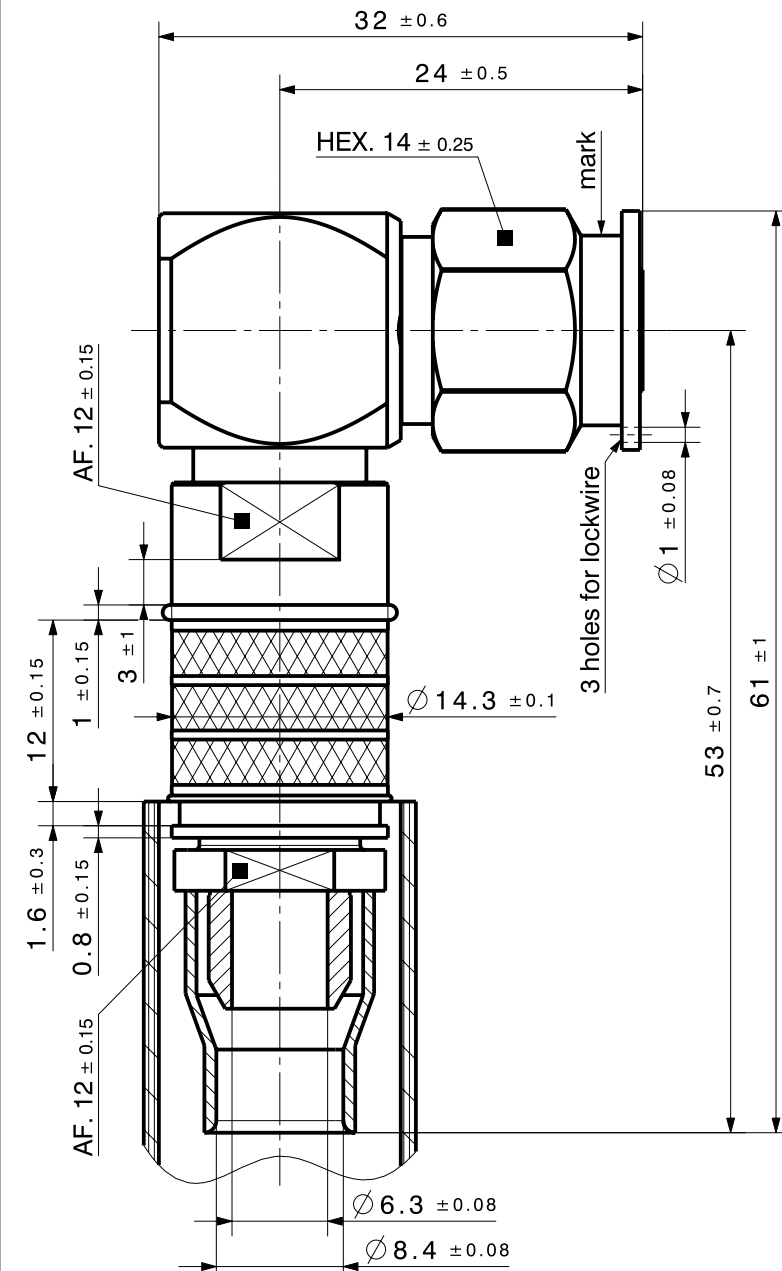
Sealing against splashing water

Temperature rating : -65°C / 165°C

Material:	Body	: Brass, nickel-plated
	Nut	: Stainless steel
	Insulator	: PTFE
	Inner conductor:	Brass / Beryllium-copper
		: 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 2.5 mm



QUALIFICATION - TESTS

Examination or test

- Material
- Finish
- Dissimilar metals
- Design and construction (dimension)
- Marking
- Mating (visual indication)
- Bajonet and threaded types
- Coupling proof torque
- Mating characteristics
- Permeability of nonmagnetic materials
- Workmanship
- Hermetic seal (pressurized connectors only)
- Leakage (pressurized connectors only)
- Insulation resistance

Centre contact retention
Corrosion

Voltage standing-wave ratio
Connector durability

Centre contact resistance

Dielectric withstanding voltage

Vibration

- Shock (specified pulse)
- Thermal shock
- Moisture resistance
- Corona level
- RF high potential withstanding voltage
- Cable retention force
- Coupling mechanism retention force

RF leakage

RF insertion loss

Contact resistance inner conductor
Contact resistance outer conductor
Contact resistance: braid/point of contact

Group I

Method	Test Req.	Value paragraph	Remarks Spec.
4.6.1	a.	3.3	MIL-C-39012
4.6.1	a.	3.3.1	MIL-C-39012
4.6.1	n.a.	-	-
4.6.1.1	a.	3.4	MIL-C-39012
4.6.1	a.	3.29	MIL-C-39012
4.6.1	a.	3.4.1	MIL-C-39012
4.6.2.1	a.	≤ 0.23 Nm	-
4.6.3	a.	> 1.7 Nm	-
4.6.4	a.	313.1	MIL-STD-348
4.6.5	n.a.	-	-
4.6.1	a.	3.30	MIL-C-39012
4.6.6	n.a.	-	-
4.6.7	n.a.	-	-
4.6.8	a.	≥ 5 GOhm ≥ 200 MOhm	initial after environment

Group II

4.6.9	a.	≥ 28 N	-
4.6.10	a.	48 h	1 pair only

Group III

4.6.11	a.	1.40	0.1 to 6 GHz
4.6.12	n.a.	-	(know-how manufacturer)

Group IV

4.6.13	a.	2.5 mOhm 3.0 mOhm	initial after environment
4.6.14	a.	≥ 1.5 kV rms	-
4.6.15	a.	Meth. 204 Cond. B	MIL-STD-202
4.6.16	n.a.	-	-
4.6.17	a.	Meth. 107 Cond. C	MIL-STD-202
4.6.18	a.	Meth. 106	MIL-STD-202
4.6.19	a.	≥ 375 V rms	23'000 m
4.6.20	n.a.	-	-
4.6.21	a.	≥ 180 N	-
4.6.22	a.	≥ 445 N	1 pair only

Group V

4.6.23	n.a.	-	-
--------	------	---	---

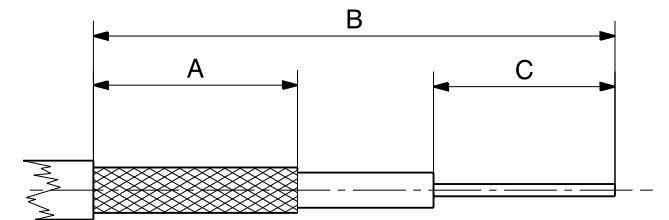
Group VI

4.6.24 n.a. - -

Group VII

4.6.13	a.	2.5 mOhm	initial
4.6.13	a.	1.5 mOhm	initial
4.6.13	n.a.	1.3 mOhm	initial

CABLE PREPARATION



Cable	Striping dimensions		
	A	B	C
WD / (WN)	9	27	9

TOOLS REQUIRED

	Crimp tool	<u>Positioner</u> Die	Positioner Color	Selector setting
Inner contact	M 22520/1-01	M 22520/1-13	Red	8
Outer contact	M 22520/5-01	M 22520/5-61	--	--