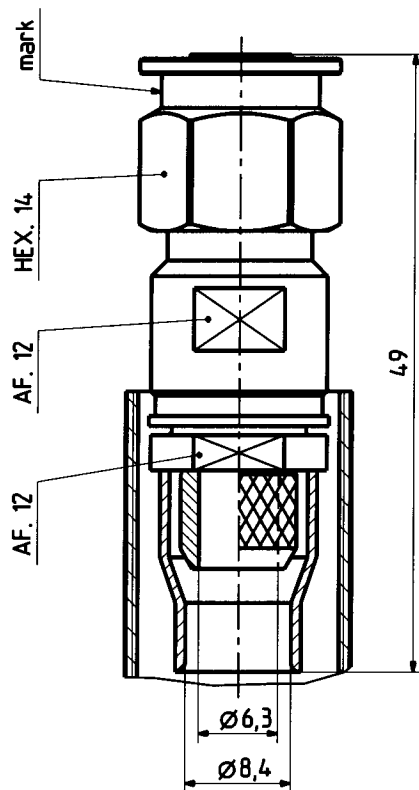


11 TNC-50-7-7

ASN-E 0461 F02

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. 2,5 mm



QUALIFIKATION - TESTS

Examination or test

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
Bayonet 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

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

Center 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

Center 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.	> 180 N	-
Coupling mechanism retention force	4.6.22	a.	> 445 N	1 pair only

Group V

RF leakage	4.6.23	n.a.	-	-
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Group VI

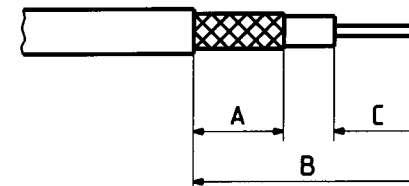
RF insertion loss	4.6.24	n.a.	-	-
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Group VII

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

	Datum	Kurzz./Visum
Erstellt	17.03.05	4885/Sas
Geprüft	17.3.05	4885/Sas
Freigabe	17.3.05	4885/Sas

CABLE PREPARATION



Cable	Striping dimensions		
	A	B	C
WD	9	27	9

TOOLS REQUIRED

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