

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.

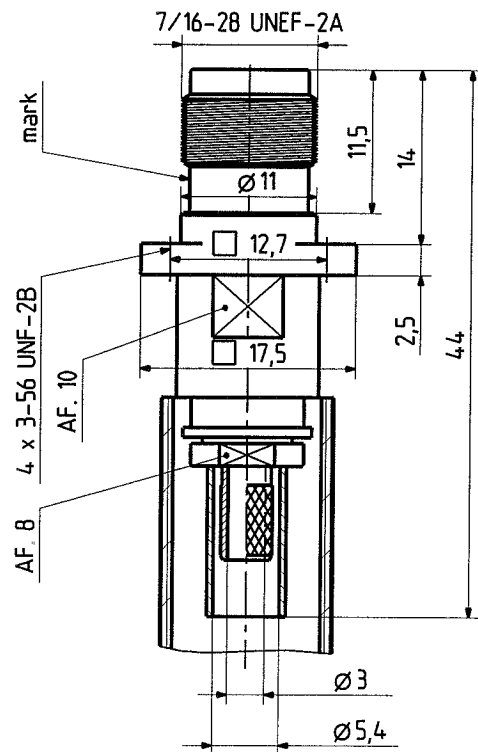
Diese Zeichnung ist unser geistiges Eigentum und darf ohne unsere ausdrückliche Einwilligung weder kopiert, vervielfältigt, noch Dritten oder Konkurrenzfirmen zugänglich gemacht werden.

# 25 TNC-50-3-32

ASN-E 0461 TC01

## ENGINEERING DATA:

Seating against splashing water  
 Temperature rating : - 65°C / 165°C  
 Material : Body : Brass, nickel-plated  
           Insulator : PTFE  
           Inner conductor : Beryllium-copper, gold-plated  
 Nominal impedance : 50 Ohm  
 Frequency range : 0,1 to 3 GHz  
 Voltage rating : 1000 V eff.  
 Insulation resistance : > 5 GOhm  
 Inner conductor : Hole dia 1,05 mm

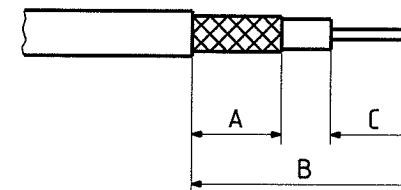


## QUALIFIKATION - TESTS

Examination or test	Group I			Remarks Spec
	Method Req.	Test Value paragraph		
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	na	-	-
Design and construction (dimension)	4.6.1.1	a.	3.4	MIL-C-39012
Marking	4.6.1	a.	3.2.9	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	na	-	-
Mating characteristics	4.6.4	a.	313.2	MIL-STD-34.8
Permeability of nonmagnetic materials	4.6.5	na	-	-
Workmanship	4.6.1	a.	3.3.0	MIL-C-39012
Hermetic seal (pressurized connectors only)	4.6.6	na	-	-
Leakage (pressurized connectors only)	4.6.7	na	-	-
Insulation resistance	4.6.8	a.	> 5 GOhm > 200 MOhm	initial after environment
<b>Group II</b>				
Center contact retention	4.6.9	a.	≥ 28 N	-
Corrosion	4.6.10	a.	48 h	1 pair only
<b>Group III</b>				
Voltage standing-wave ratio	4.6.11	a.	1,30	0,1 to 6 GHz
Connector durability	4.6.12	na	-	(know-how manufacturer)
<b>Group IV</b>				
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	na	-	-
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	na	-	-
Cable retention force	4.6.21	a.	≥ 90 N	-
Coupling mechanism retention force	4.6.22	na	-	-
<b>Group V</b>				
RF leakage	4.6.23	na	-	-
<b>Group VI</b>				
RF insertion loss	4.6.24	na	-	-
<b>Group VII</b>				
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

	date	sign
drawn	03.01.07	4726/Borg
checked	3.10.07	4726/Borg
approved	3.10.07	4726/Borg

## CABLE PREPARATION



Cable	Striping dimensions		
	A	B	C
XF RG 400/U	9	23	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 22520/5-05	-	-



dimensions in mm



HUBER + SUHNER CH-ITC-RBS-CON

OZ drawing :  
OZ.02.3.13.0027

drawing number  
3.13.34827

Index  
b