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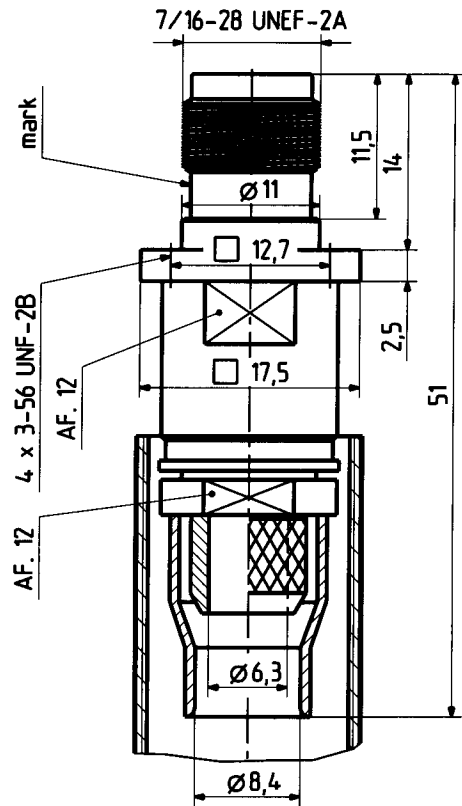
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25 TNC-50-7-7

ASN-E 0461 TC02

ENGINEERING DATA:

Sealing 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 6 GHz
 Voltage rating : 1000 V eff.
 Insulation resistance : > 5 GOhm
 Inner conductor : Hole dia. 2,5 mm

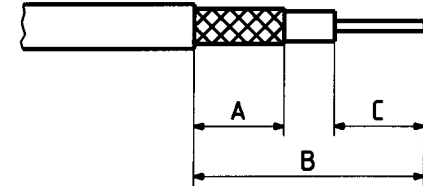


QUALIFIKATION - TESTS

Examination or test	Group I		Remarks
	Method	Test Value Req. 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	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	n.a. -	-
Mating characteristics	4.6.4	a. 313.2	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 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	n.a. -	-
Group V			
RF leakage	4.6.23	n.a. -	-
Group VI			
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	Kurz-/Visum
Erstellt	17.03.05	4885/Sas
Geprüft	17.05	4885/Sas
Freigabe	17.10	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	-	-