

## ENGINEERING DATA:

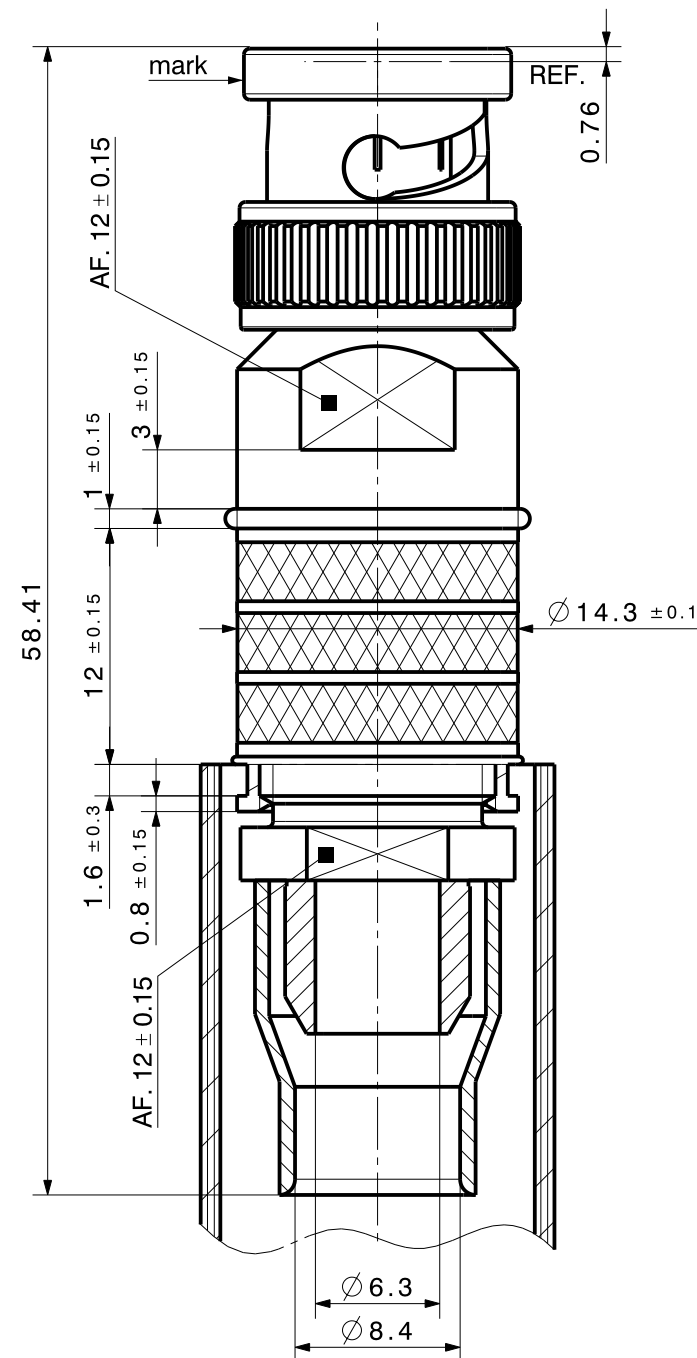
Sealing against splashing water

Temperature rating : -65°C / 165°C

Material: Body : Brass, nickel-plated  
 Nut : Brass, nickel-plated  
 Insulator : PTFE  
 Inner conductor : Brass / Beryllium-copper  
 : gold-plated

Nominal impedance : 50 Ohm  
 Frequency range : 0,1 to 4 GHz  
 Voltage rating : 1000 V eff.  
 Insulation resistance :  $\geq 5$  GOhm

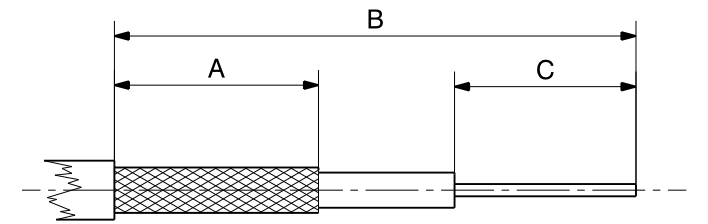
Inner conductor : Hole Dia 2.5 mm



## 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	ABS 2074
Marking	4.6.1	a.	3	ABS 2074
Mating (visual indication)	4.6.1	a.	3.4.1	MIL-C-39012
Bajonet and threaded types	4.6.2.1	a.	$\leq 0.23$ 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.	513	EN 2591
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.	$\geq 5$ GOhm $\geq 200$ MOhm	initial after environment
Centre contact retention	4.6.9	a.	$\geq 28$ N	-
Corrosion	4.6.10	a.	48 h	1 pair only
Voltage standing-wave ratio	4.6.11	a.	1.40	0.1 to 4 GHz
Connector durability	4.6.12	n.a.	-	(know-how manufacturer)
Centre contact resistance	4.6.13	a.	1.5 mOhm 2.0 mOhm	initial after environment
Dielectric withstanding voltage	4.6.14	a.	$\geq 1.5$ kV rms	-
Vibration	4.6.15	a.	Meth. 514 Cond. 13	MIL-STD-810
Shock (specified pulse)	4.6.16	n.a.	402	EN 2591
Rapid Change of Temp.	4.6.17	a.	305 Cond. C	EN 2591
Moisture resistance	4.6.18	a.	Meth. 106	MIL-STD-202
Corona level	4.6.19	a.	$\geq 375$ V rms	23`000 m
RF high potential withstanding voltage	4.6.20	n.a.	-	-
Cable retention force	4.6.21	a.	$\geq 180$ N	-
Coupling mechanism retention force	4.6.22	a.	$\geq 445$ N	1 pair only
RF leakage	4.6.23		60 dB	2-3 GHz
RF insertion loss	4.6.24	n.a.	-	-
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	n.a.	0.6 mOhm	initial

## CABLE PREPARATION



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

## TOOLS REQUIRED

	Crimp tool	Positioner 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	--	--

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type / Typ: 11\_BNC-50-7-16 / ABS2087F02

dimensions in millimeter [mm] part no. / Teile Nr.: PRO-00102195 C sheet/Blatt

description / Beschreibung drawing-no. / Zeichnungsnr. Release

Cable plug DOU-00102195 D

alternative ID:

