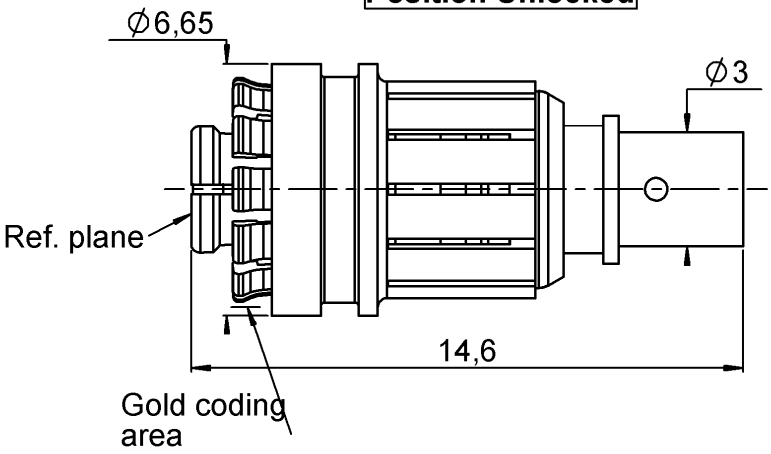
STRAIGHT PLUG SOLDER TYPE

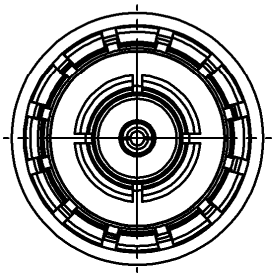
CABLE .085

R222.L80.010

Series : **SMP LOCK**

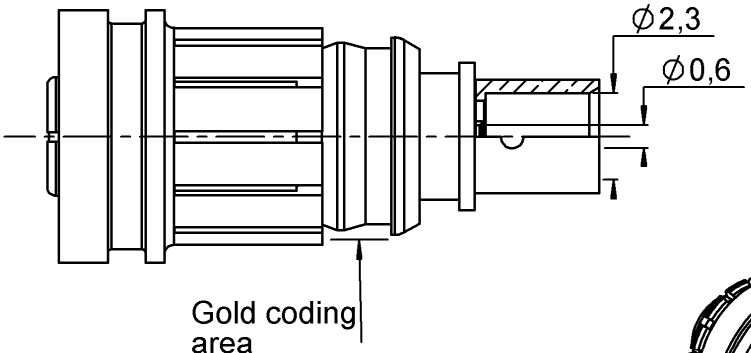
Position Unlocked

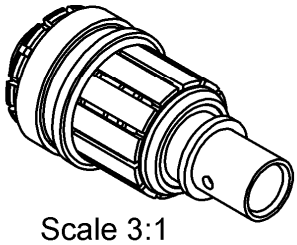




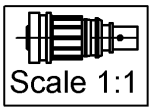
Nota:
Do not make the coupling by the locking nut

Position Locked

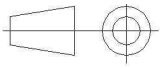




Scale 3:1



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
BODY	**BERYLLIUM COPPER**	**N2PGR**
CENTER CONTACT	**BERYLLIUM COPPER**	**GOLD 1.27 OVER NICKEL 1.27**
OUTER CONTACT	-	-
INSULATOR	**PTFE+PEEK**	
GASKET	**CuAg LOADED SILICONE RUBBER**	
OTHERS PARTS	**BERYLLIUM COPPER**	**NICKEL 2**
-	-	-
-	-	-

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RADIALL

STRAIGHT PLUG SOLDER TYPE

CABLE .085

R222.L80.010

Series : **SMP LOCK**

PACKAGING

Standard	Unit	Other
100	**-**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-26.5**	GHz
VSWR	**1.3 +**	**0,0000**	x F(GHz) Maxi
Insertion loss		**0.1**	√F(GHz) dB Maxi
RF leakage	**- (**	***90**	- F(GHz)) dB Maxi
Voltage rating		**335**	Veff Maxi
Dielectric withstanding voltage		**500**	Veff mini
Insulation resistance		**5000**	MΩ mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	**6.7**	N mini
Axial force – Opposite end	**6.7**	N mini
Torque	**NA**	N.cm mini
Recommended torque		
Mating	**NA**	N.cm
Panel nut	**NA**	N.cm
Clamp nut	**NA**	N.cm
A/F clamp nut	**0,0000**	mm
Mating life	**500**	Cycles mini
Weight	**1,5500**	g

ENVIRONMENTAL

Operating temperature	**-55/+125**	° C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	1,78	0,00	0,00	0,00	0,00	0,00

Assembly instruction :

Recommended cable(s)
RG 405
-

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly

Cable retention

- pull off	******	N mini
- torque	**NA**	N.cm

TOOLING

Part Number	Description	Hexagon
.	.	.
R282.051.000	STRIPPING TOOL	
R282.062.010	POINTER GAUGE	
R282.740.030	SOLDERING MOUNTING	
R282.744.253	POSITIONER FOR SOLDERING SMP	
R282.743.120	POSITIONER FOR SOLDERING SMP	

OTHER CHARACTERISTICS

*-90 up to 18 GHz
** See the TDS of the cable assembly
Locking retention > 450 N
500 matings/dematings of the locking sleeve

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STRAIGHT PLUG SOLDER TYPE

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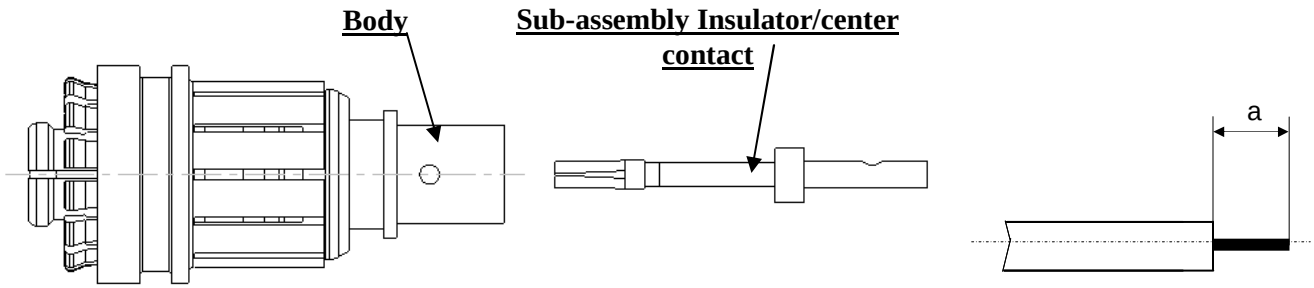
Series : **SMP LOCK**

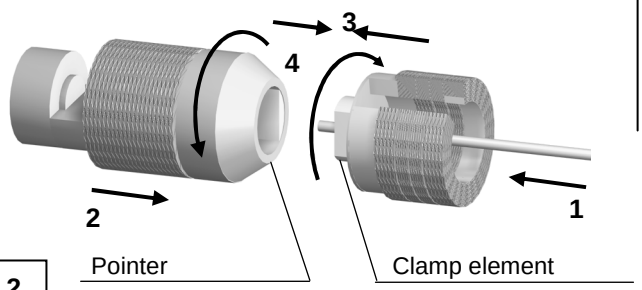
COMPONENTS



We recommend a cable thermal preconditioning before assembly

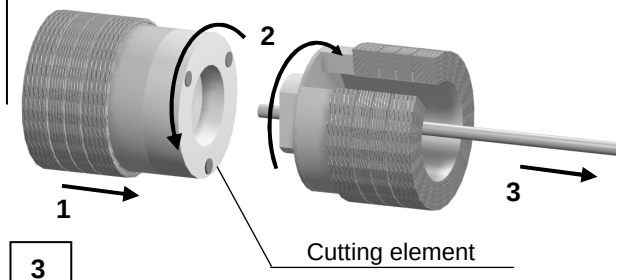
1

Insert the cable into the clamp element.
Present the pointer in front of the clamp element.
Push the cable until it stops, while holding the clamp element pushed on the hollow part of the pointer.
Turn the clamp element until the release of the pointer.



2

Present the cutting element in front of the clamp element.
Push and turn both elements, back part opposite to the front part.
Once they reach the stop, pull without revolving.

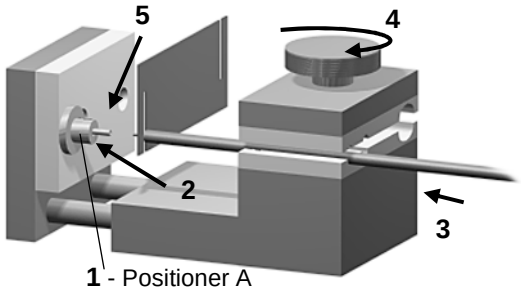


3

If necessary trim the inner of the cable with the pointer Gauge.

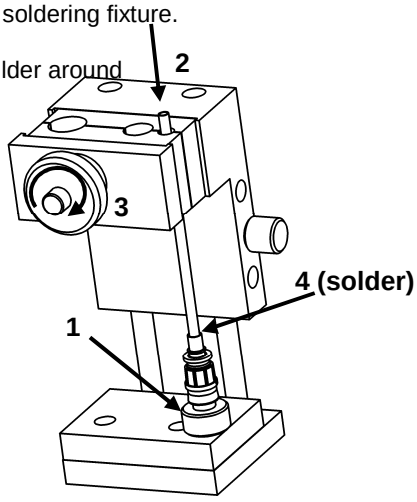
3

Mount the positioner A.
Slide the center contact into the positioner A.
Insert the solder gauge between the sub-assembly insulator/center contact and the cable.The gap must be of 0.1 mm
Tighten.Solder the center contact.



4

After cooling, remove the assembly from the jig.
Put the connector in position unlocked on the positioner
Slide the cable into the connector until it bottoms against the soldering fixture.
Tighten.
Put three rings of solder around



5

After cooling, remove the assembly from the jig.

Issue : 1229 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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