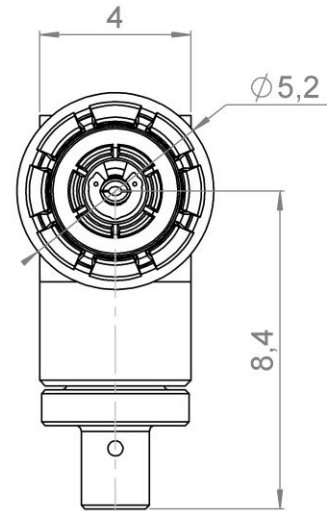
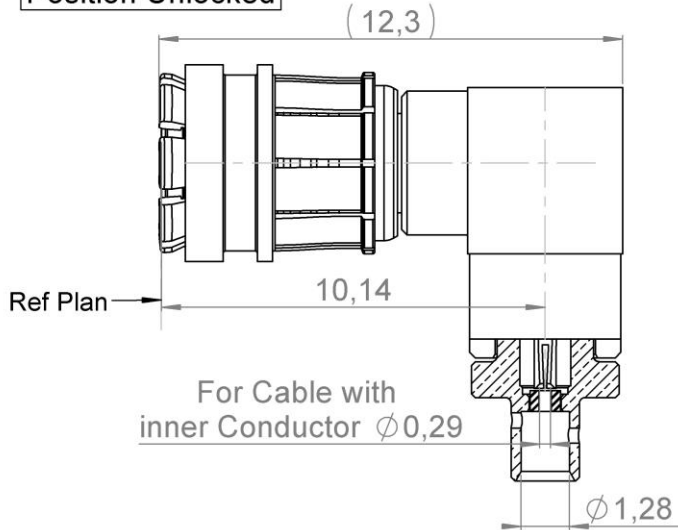
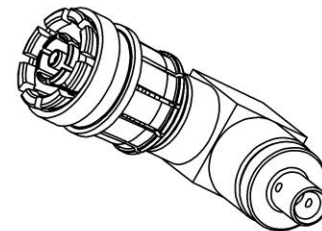
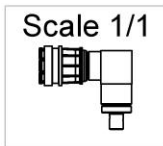
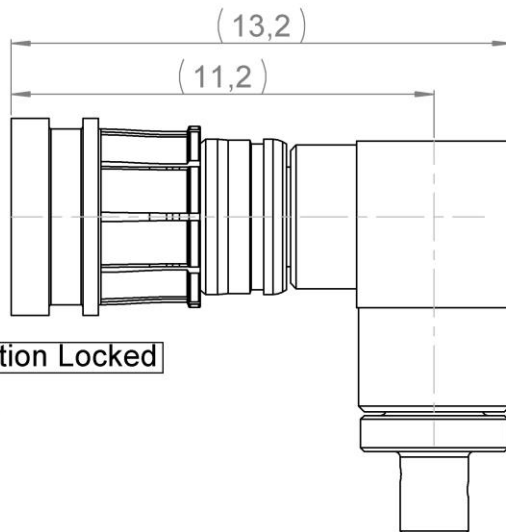


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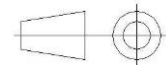
**Position Unlocked**



**Position Locked**



All dimensions are in mm. Tolerances according ISO 2768 m-H



COMPONENTS	MATERIALS	PLATING ( $\mu\text{m}$ )
Body	<b>BERYLLIUM COPPER</b>	<b>NPGR</b>
Center contact	<b>BERYLLIUM COPPER</b>	<b>GOLD 1.3 OVER NICKEL2</b>
Outer contact	<b>BERYLLIUM COPPER</b>	<b>NPGR</b>
Insulator	<b>PTFE+PEEK</b>	
Gasket	-	
Others parts	<b>BRONZE,BERYLLIUM COPPER</b>	<b>NICKEL, GOLD</b>
Rear Body	<b>BERYLLIUM COPPER</b>	<b>N2PGR</b>
-	-	-

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### PACKAGING

Standard	Unit	Other
<b>100</b>	<b>Contact us</b>	<b>Contact us</b>

### ELECTRICAL CHARACTERISTICS

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-65</b>	GHz
VSWR	* + <b>0,00</b>	x F(GHz) Maxi
Insertion loss	<b>0.12</b>	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- ( <b>**</b>	- F(GHz)) dB Maxi
Voltage rating	<b>125</b>	Veff Maxi
Dielectric withstanding voltage	<b>250</b>	Veff mini
Insulation resistance	<b>5000</b>	M $\Omega$ mini

### MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	<b>6.7</b>	N mini
Axial force – Opposite end	<b>6.7</b>	N mini
Torque	<b>NA</b>	N.cm mini
Recommended torque		
Mating	<b>NA</b>	N.cm
Panel nut	<b>NA</b>	N.cm
Clamp nut	<b>NA</b>	N.cm
A/F clamp nut	<b>0,00</b>	mm
Mating life	<b>500</b>	Cycles mini
Nominal Weight (Add +15% for max weight)	<b>1,58</b>	g

### ENVIRONMENTAL

Operating temperature	<b>-65/+165</b>	$^{\circ}\text{C}$
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

### SPECIFICATION

### CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	<b>7,00</b>	<b>3,00</b>	<b>1,80</b>	-	-	-

Assembly instruction:

Recommended cable(s)

**047SC-2901**  
**UT47 M17/151-00001**

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 ( Temp-flex .047 )	<b>25</b>	N mini
- pull off ( Semi-rigid cable )	<b>45</b>	N mini
- torque	<b>NA</b>	N.cm

### TOOLING

Part Number	Description	Hexagon
R282740060	BRAZING TOOL SMPM-LOCK	
R282868370	LOCK AND UNLOCK TOOL FOR SMPM-L	OPTION-1
R282918230	LOCK AND UNLOCK TOOL FOR SMPM-L	OPTION-2

### OTHER CHARACTERISTICS

(RF performance depend on the cable use)

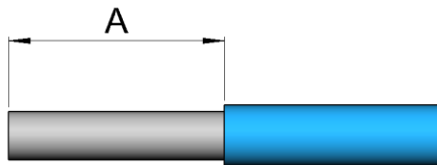
- \* **1.2 : DC - 25 Ghz**
- \* **1.2 +0.006 x F (Ghz) : 25 - 40 Ghz**
- \* **1.44 +0.016 x F (Ghz) : 40 - 65 Ghz**

**\*\* -80dB up to 3GHz**

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**For flexible cable**

Before stripping, strip jacket and deep tin the naked braid.



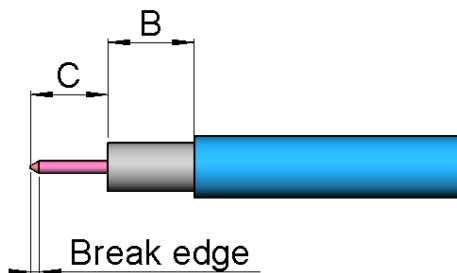
**For Semi Rigid cable**

We recommend a cable thermal preconditioning



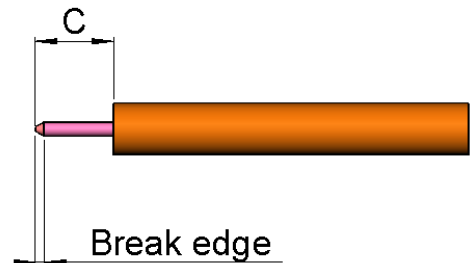
1A

- Strip the cable inner conductor.
- Make a Chamfer
- Clean the cable



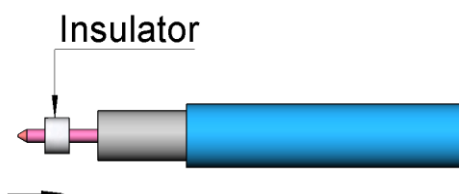
1B

- Strip the cable inner conductor.
- Make a Chamfer
- Clean the cable



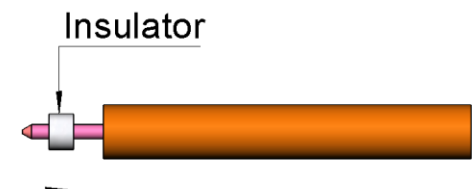
2A

- Slide the insulator onto the cable inner conductor.



2B

- Slide the insulator onto the cable inner conductor.

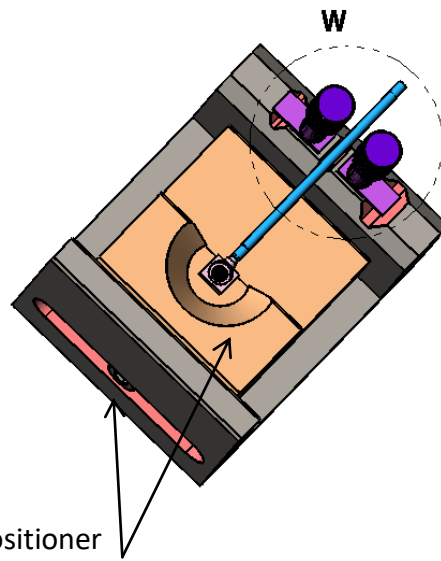
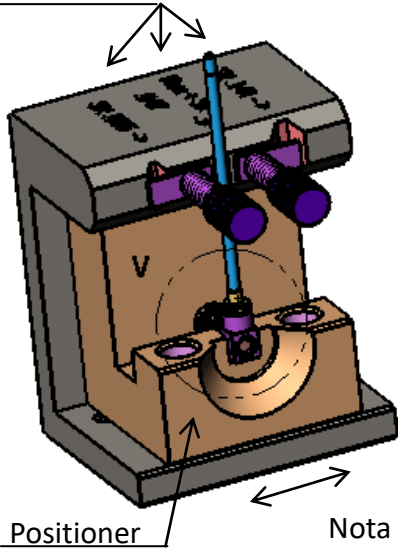


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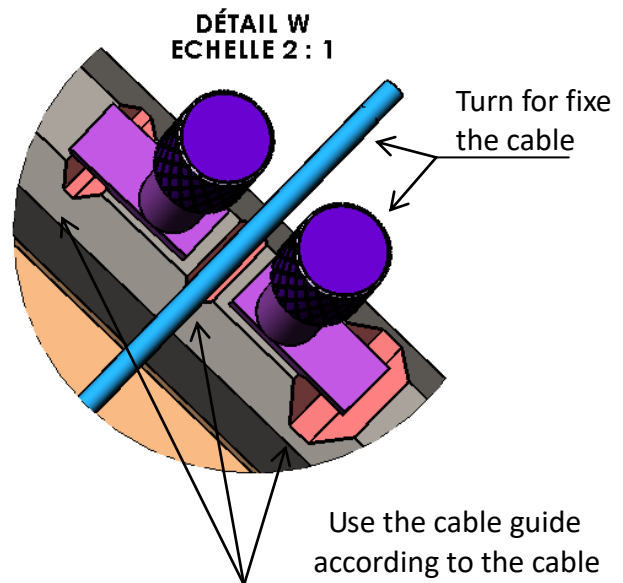
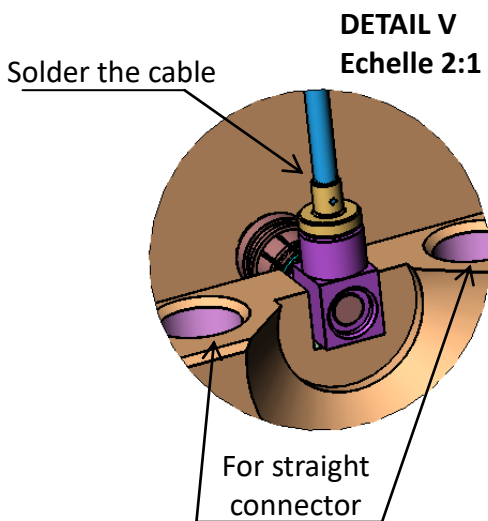
3

- Introduce the cable into the connector body and place the assembly into the positioner
- Pushed the cable into the connector body until it stops and fixe the cable
- Solder the cable into the connector body.
- After cooling remove cable assembly from the jig.

Cable in position  
See Nota 1

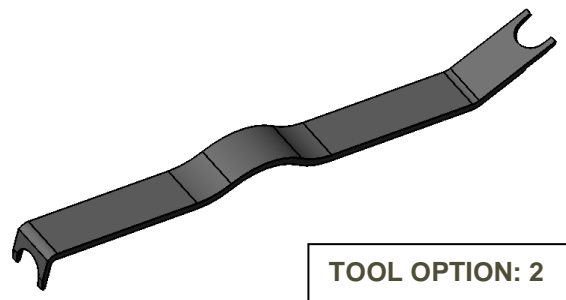
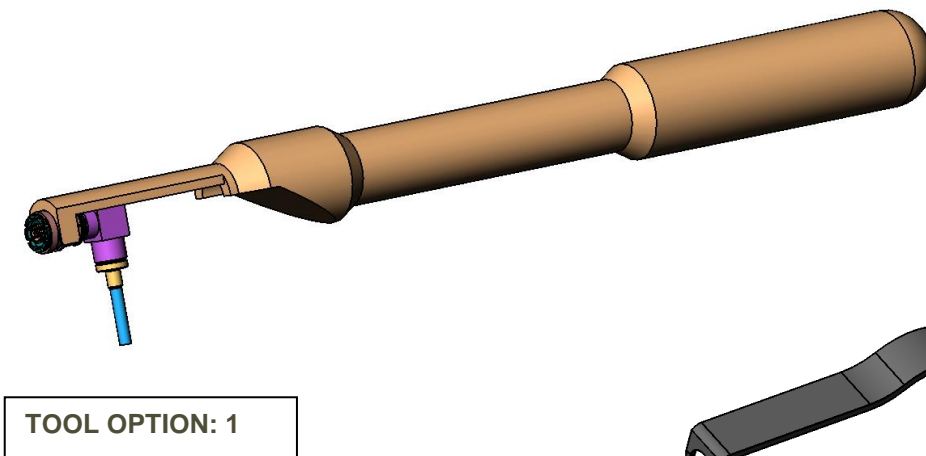
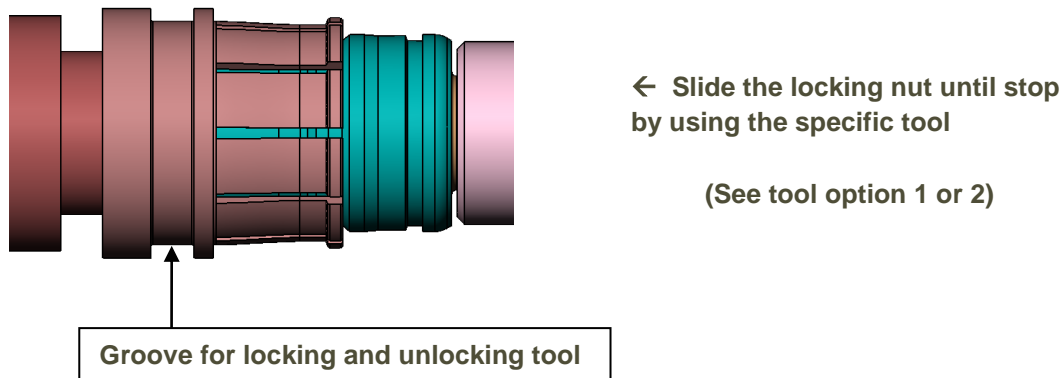
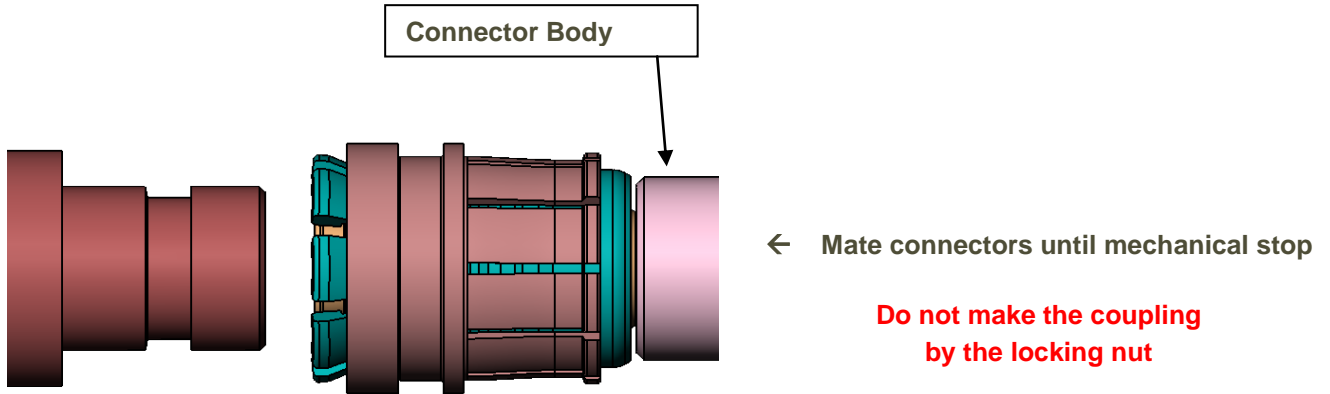


Nota 1: move the positioner  
in fonction of cable used



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## MATING, LOCKING / UNLOCKING INSTRUCTIONS



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