Position Unlocked

9,17

P. Ref

(For Cable with inner conductor dia 0.29)

∅ 1,28

9,23

∅ 5,2

10,2
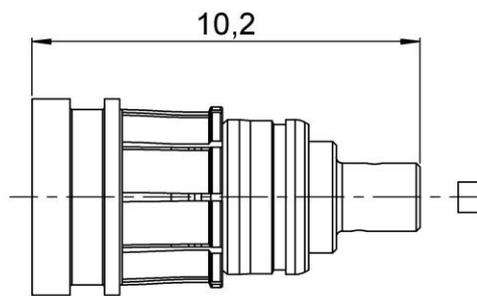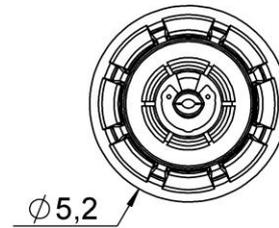
Position Locked
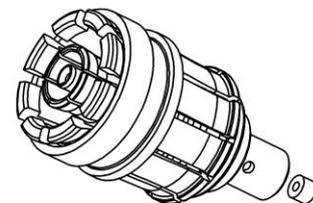
Scale 1/1

All dimensions are in mm. Tolerances according ISO 2768 m-H
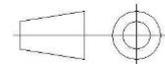
COMPONENTS	MATERIALS	PLATING (μm)
Body	**BERYLLIUM COPPER**	**N2PGR**
Center contact	**BERYLLIUM COPPER**	**GOLD 1.3 OVER NICKEL2**
Outer contact	**BERYLLIUM COPPER**	**N2PGR**
Insulator	**PTFE+PEEK**	
Gasket		
Others parts	**BRONZE,BERYLLIUM COPPER**	**NICKEL, GOLD**
-	-	-
-	-	-

PACKAGING

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

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-65**	GHz
VSWR	*	**0,00**	x F(GHz) Maxi
Insertion loss		**0.12**	√F(GHz) dB Maxi
RF leakage	- (	**	- F(GHz)) dB Maxi
Voltage rating		**125**	Veff Maxi
Dielectric withstanding voltage		**250**	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	**0,00**	mm

Mating life	**500**	Cycles mini
Nominal Weight	**0,61**	g

(Add +15% for max weight)

ENVIRONMENTAL

Operating temperature	**-65/+165** ***	°C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	**7,00**	**3,00**	**1,80**	-	-	-

Assembly instruction:

Recommended cable(s)

047SC-2901

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 (047SC-2901)	**25 N** mini	
- torque	**NA**	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 performances depend on cable used)

* VSWR: 1.07 + .006 F(GHz) Maxi up to 40Ghz
**-80dB up to 3GHz
***** depend on cable**

For flexible cable

For Semi Rigid cable

**Before stripping, strip jacket
And deep tin the naked braid.**

**We recommend a cable thermal
preconditioning**

A
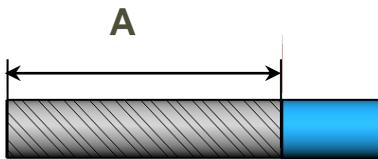
1A
- **Strip the cable inner conductor.**
- **Make a Chamfer**
- **Clean the cable**

B

C

Break edge

1B
- **Strip the cable inner conductor.**
- **Make a Chamfer**
- **Clean the cable**

C

Break edge
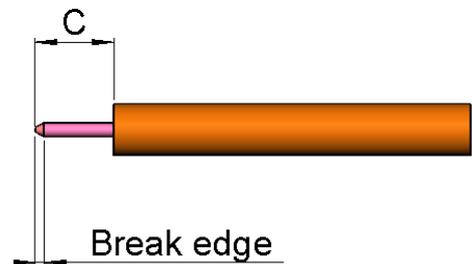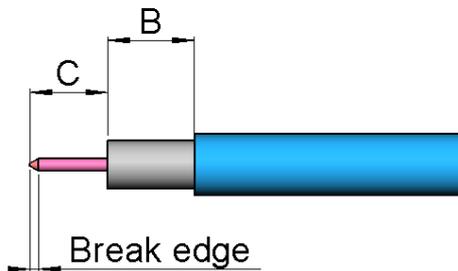
2A
-**Slide the insulator onto the cable inner conductor.**

Insulator

2B
-**Slide the insulator onto the cable inner conductor.**

Insulator
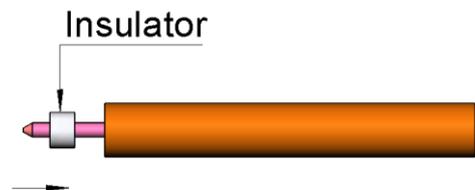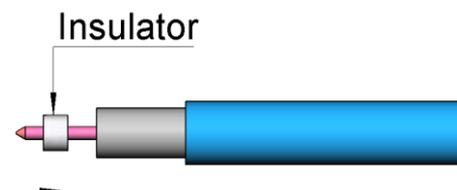
3

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

Cable in position
See Nota 1

B

A

Positioner

Nota 1: move the positioner
in fonction of cable used
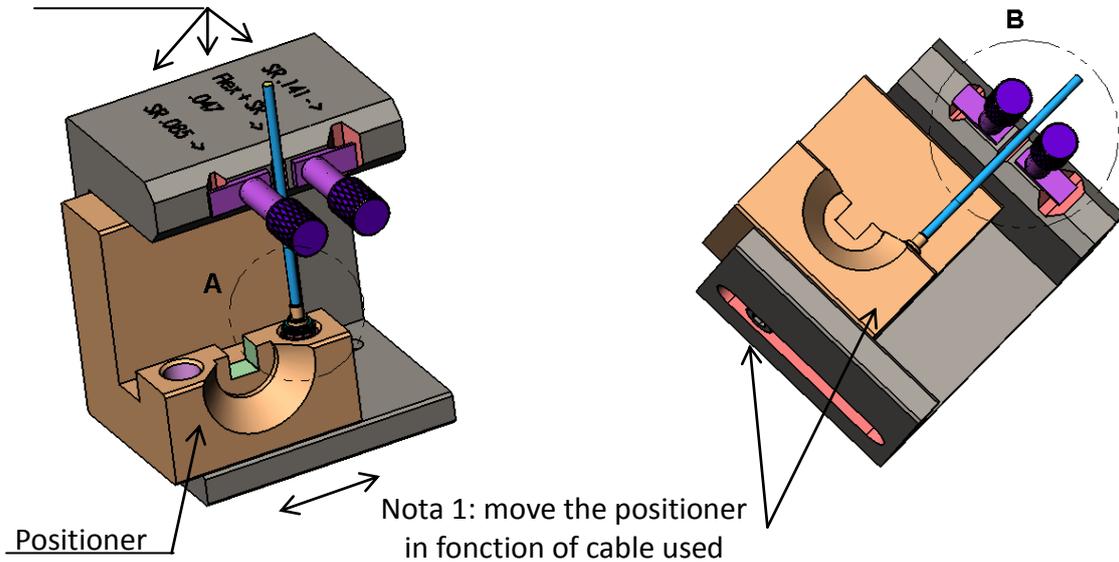
DETAIL A
Echelle 2:1

Solder the cable
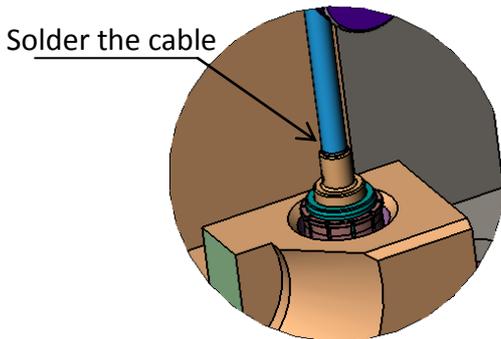
DÉTAIL B
ECHELLE 2 : 1

Turn for fixe
the cable

Use the cable guide
according to the cable
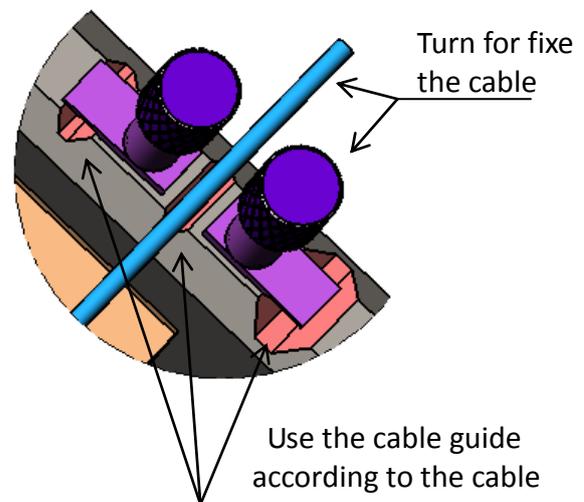
## MATING, LOCKING / UNLOCKING INSTRUCTIONS
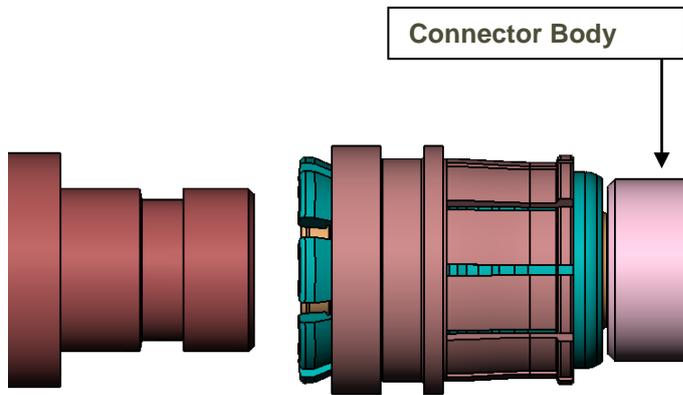
Connector Body

← Mate connectors until mechanical stop

**Do not make the coupling by the locking nut**
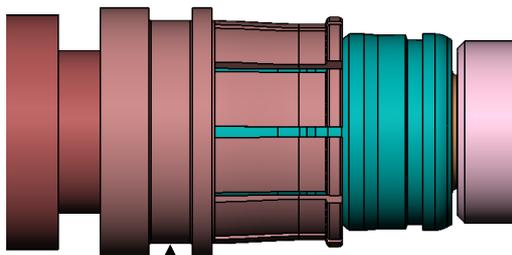
← Slide the locking nut until stop
by using the specific tool
(See tool option 1 or 2)

Groove for locking and unlocking tool

TOOL OPTION: 1

TOOL OPTION: 2