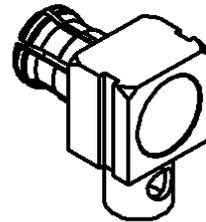
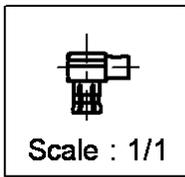
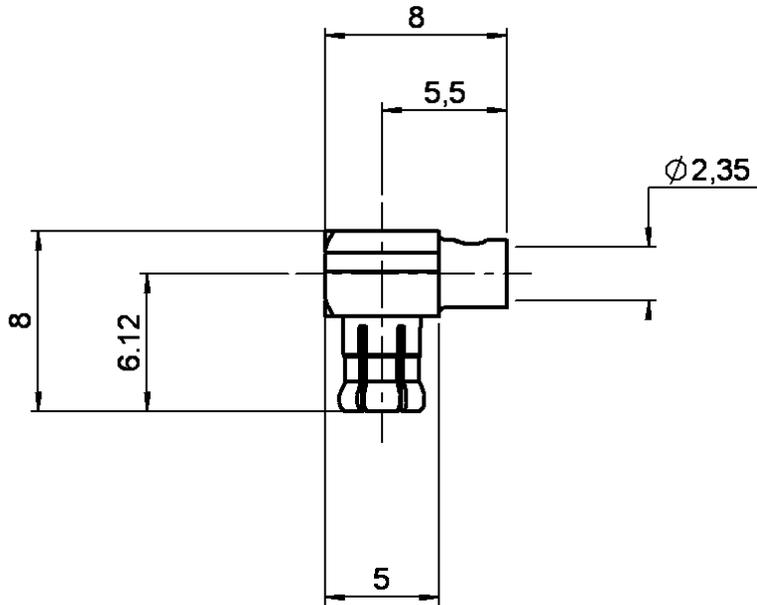


**RIGHT ANGLE PLUG SOLDER TYPE**

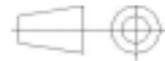
**R113.161.020**

**CABLE 2/50 + 2.6/50 + .085**

Series : MCX



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	BRASS	BBR 2
CENTER CONTACT	BRASS	.GOLD 1.3 OVER NICKEL 2
OUTER CONTACT	BERYLLIUM COPPER	BBR 2
INSULATOR	PTFE	
GASKET	-	
OTHERS PARTS	BRASS	BBR 2
-	-	-
-	-	-

Issue : 0107 G

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**RIGHT ANGLE PLUG SOLDER TYPE**

**R113.161.020**

**CABLE 2/50 + 2.6/50 + .085**

Series : MCX

**PACKAGING**

Standard	Unit	Other
<b>100</b>	<b>'W' option</b>	<b>Contact us</b>

**SPECIFICATION**

**ELECTRICAL CHARACTERISTICS**

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-6</b>	GHz
VSWR	- + <b>0,0000</b>	x F(GHz) Maxi
Insertion loss	<b>0.5</b>	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- ( <b>NA</b>	- F(GHz)) dB Maxi
Voltage rating		- Veff Maxi
Dielectric withstanding voltage		- Veff mini
Insulation resistance	<b>1000</b>	M $\Omega$ mini

**CABLE ASSEMBLY**

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

Assembly instruction :

Recommended cable(s)

RG 316  
RG 178  
KX 21  
RG 405  
KX 22A  
RG 188  
KS 1  
RG 196  
RG 178 LC

Cable retention

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

**MECHANICAL CHARACTERISTICS**

Center contact retention		
Axial force – Mating end	<b>10</b>	N mini
Axial force – Opposite end	<b>10</b>	N mini
Torque	<b>NA</b>	N.cm mini

**TOOLING**

Part Number	Description	Hexagon
.	.	.
R282.740.020	SOLDERING MOUNTING	
R282.864.000	POSITIONER	
R282.868.000	EXTRACTION ASSEMBLY TOOL	

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>0,0000</b>	mm

Mating life	<b>500</b>	Cycles mini
Weight	<b>0,7430</b>	g

**ENVIRONMENTAL**

Operating temperature	<b>-55/+115</b>	$^{\circ}$ C
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

**OTHERS CHARACTERISTICS**

Issue : 0107 G

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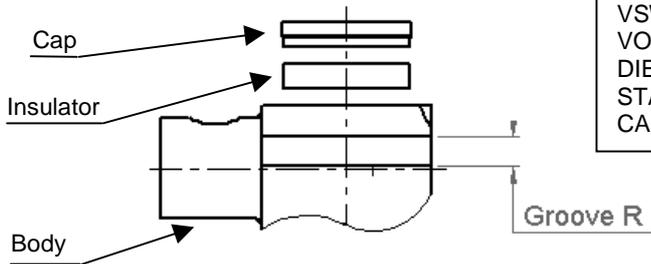
**RIGHT ANGLE PLUG SOLDER TYPE**

**R113.161.020**

**CABLE 2/50 + 2.6/50 + .085**

Series : MCX

**COMPONENT**



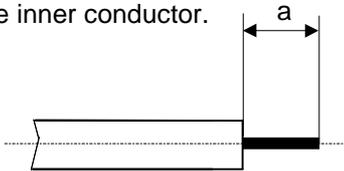
**CABLE .085**

VSWR	1.63	max
VOLTAGE RATING	250	Vrms max
DIELECTRIC WITHSTANDING VOLTAGE	750	Vrms min
STANDARDISATION	CECC 22 221-MCX	
CABLE RETENTION	155	N min

We recommend a thermal preconditioning cable.

**1**

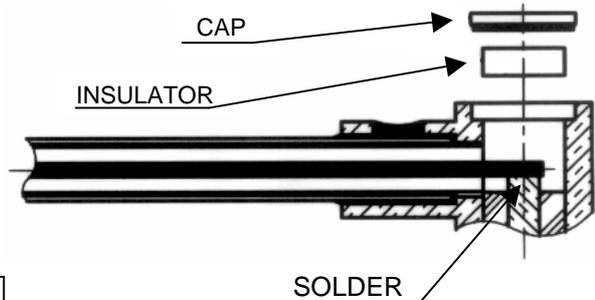
Strip the cable.  
To clean the cable.  
To tin cable inner conductor.



Stripping mm	a	b	c	d	e
	2.3	-	-	-	-

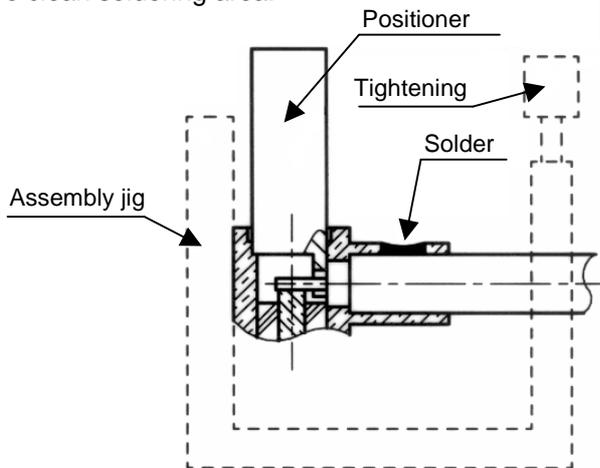
**3**

To solder cable inner conductor into the centre contact.  
To clean soldering area.  
Introduce the insulator into the body.  
Press fit the cap.



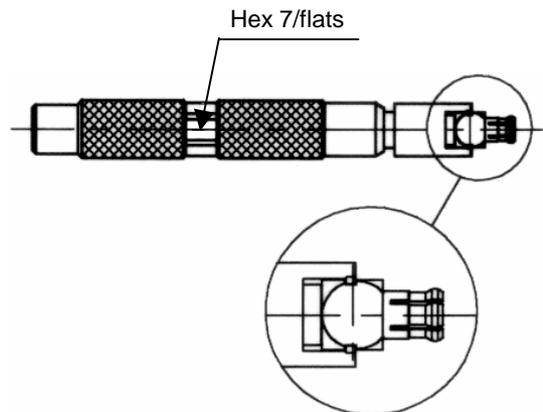
**2**

Introduce the positioner R282 864 010 and the cable into the connector body until contact with the body shoulder, place the sub assembly into the assembly jig R282 740 020 and tighten it.  
Solder body on the cable and let assembly cool down before removing it from the jig.  
To clean soldering area.



**4**

Slide mounting tool R282 868 onto the body grooves.  
Press fit the cap turning tool handle with adapted wrench 7 mm (cap in the same plan than square face).



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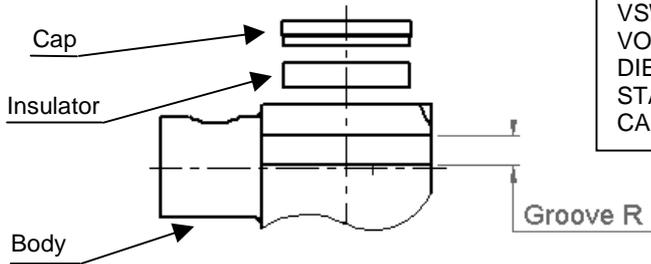
**RIGHT ANGLE PLUG SOLDER TYPE**

**R113.161.020**

**CABLE 2/50 + 2.6/50 + .085**

Series : MCX

**COMPONENT**



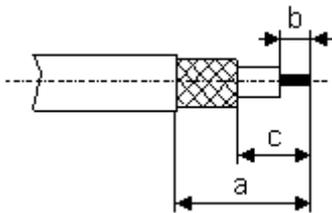
**CABLE 2.6/50**

VSWR	1.63	max
VOLTAGE RATING	335	Vrms max
DIELECTRIC WITHSTANDING VOLTAGE	750	Vrms min
STANDARDISATION	CECC 22 221-002	
CABLE RETENTION	53	N min

We recommend a thermal preconditioning cable.

**1**

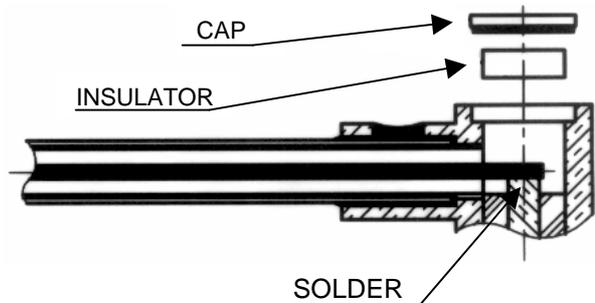
Strip the cable.  
To tin cable inner conductor.



Stripping mm	a	b	c	d	e
	6	1.4	3	-	-

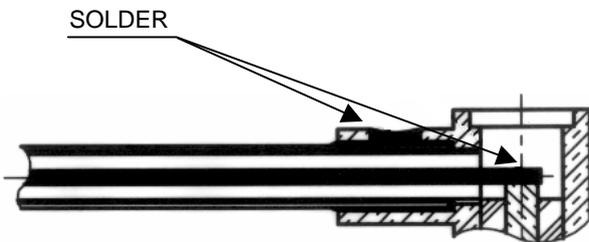
**3**

Introduce the insulator into the body.  
Press fit the cap.



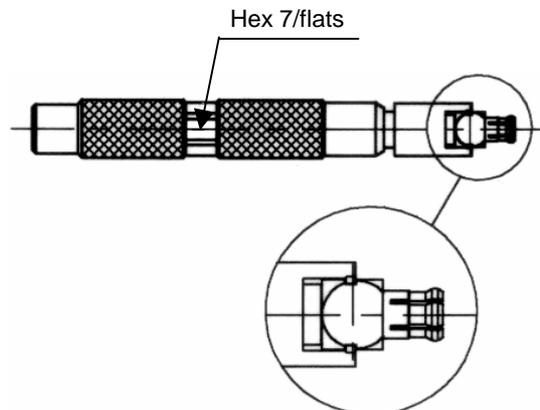
**2**

To push the cable into the connector body until contact with it.  
To solder the cable on the connector body.  
To solder cable inner conductor into the centre contact.  
To clean soldering area.



**4**

Slide mounting tool R282 868 onto the body grooves.  
Press fit the cap turning tool handle with adapted wrench 7 mm (cap in the same plan than square face).



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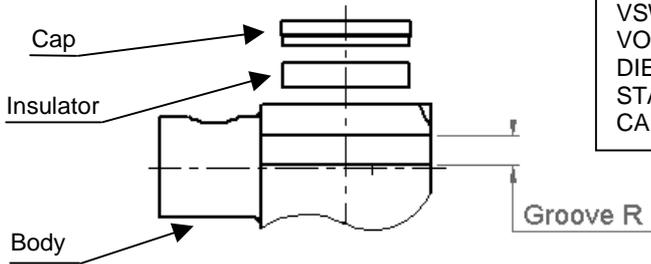
**RIGHT ANGLE PLUG SOLDER TYPE**

**R113.161.020**

**CABLE 2/50 + 2.6/50 + .085**

Series : MCX

**COMPONENT**



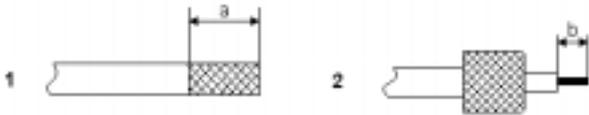
**CABLE 2/50**

VSWR	1.63	max
VOLTAGE RATING	170	Vrms max
DIELECTRIC WITHSTANDING VOLTAGE	500	Vrms min
STANDARDISATION	CECC 22 221-814	
CABLE RETENTION	32	N min

We recommend a thermal preconditioning cable.

**1**

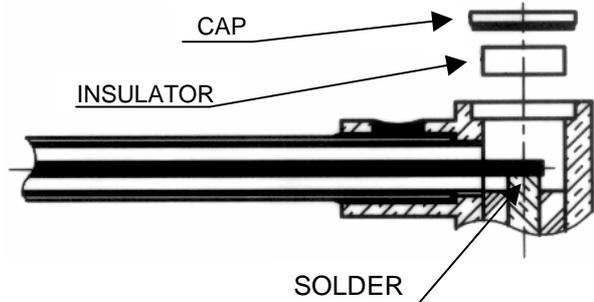
Strip the cable.  
To return the braid.  
Strip the dielectric.  
To tin cable inner conductor.



Stripping mm	a	b	c	d	e
	3	1.4	-	-	-

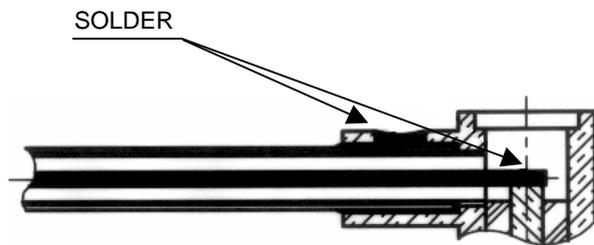
**3**

Introduce the insulator into the body.  
Press fit the cap.



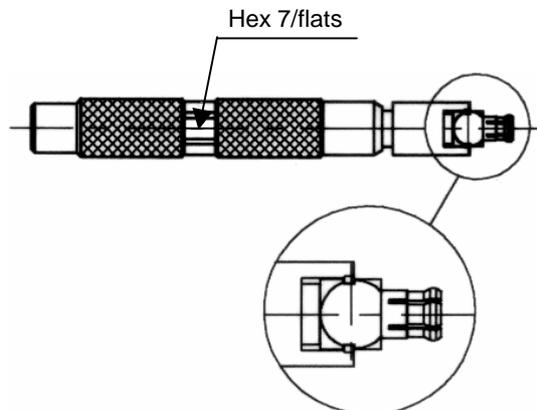
**2**

To push the cable into the connector body until contact with it.  
To solder the cable on the connector body.  
To solder cable inner conductor into the centre contact.  
To clean soldering area.



**4**

Slide mounting tool R282 868 onto the body grooves.  
Press fit the cap turning tool handle with adapted wrench 7 mm (cap in the same plan than square face).



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