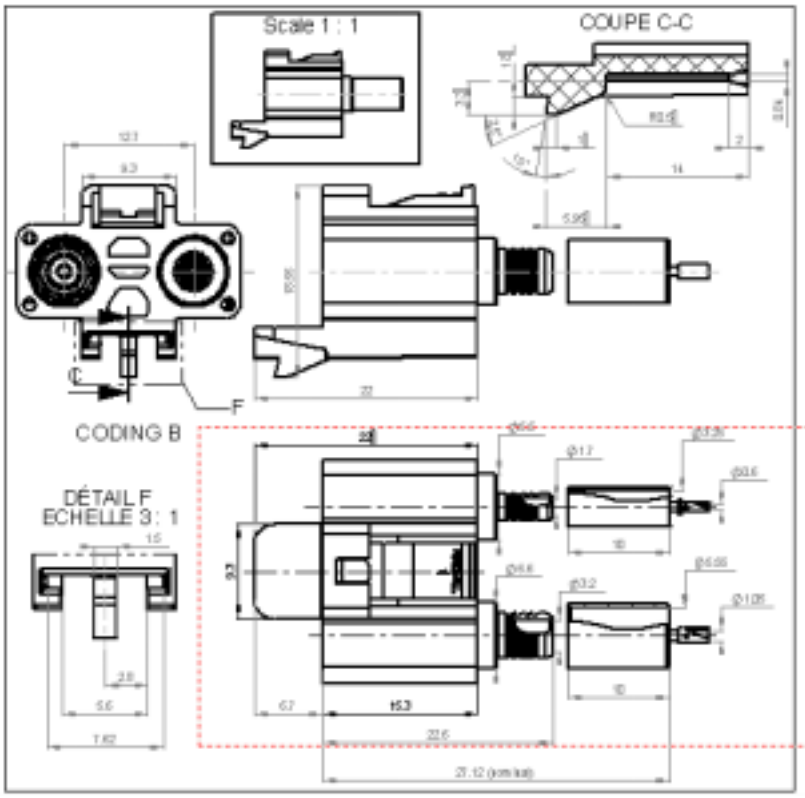
DUPLEX HOUSING+STRAIGHT FEMALE PLUG

A SERTIR CABLE 2.6/50S+5/50S PACK200

R197.214.B10

Series : **SMB**

CARLOCK



All dimensions are in mm.

COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	**BRONZE**	**NICKEL 2**
CENTER CONTACT		
OUTER CONTACT	-	
INSULATOR	**PTFE**	
GASKET		
OTHERS PARTS		

		UL CLASSIFICATION	COLOR
HOUSING	**PA6.6 GF15 (POLYAMIDE)**	**UL 94 V-2**	**CREAM WHITE RAL 9001**

Issue : 0637 B

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Series : **SMB CARLOCK**

PACKAGING

Standard	Unit	Other
200	**'W' option**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		**0-4**	GHz
VSWR	**1.20*** +	**0.000**	x F(GHz) Maxi
Insertion loss		**0.05**	√F(GHz) dB Maxi
RF leakage	≤ -	**45**	- F(GHz)) dB Maxi
Voltage rating		**335**	Veff Maxi
Dielectric withstanding voltage		**1000**	Veff mini
Insulation resistance		**1000**	MΩ mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	**10**	N mini
Axial force – Opposite end	**10**	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	**0.000**	mm
Mating life	**100**	Cycles mini
Weight	**7.50**	g

ENVIRONMENTAL

*** Depends on the cable used

Operating temperature	**-40/+110**	° C ***
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

SPECIFICATION

SAE/USCAR-17 Rev.1 (October 2002)
SAE/USCAR-2 Rev.3 (February 2001)
SAE/USCAR-18 Rev.2 (January 2003)

CABLE ASSEMBLY

Stripping	a	b	c	d	e	**Cable**
mm	2.4	5.5	9.4	0	7.00	**RG174**
mm	2.4	5.5	9.4	0	7.00	**RG58**

Assembly instruction :

For RG174 cable : see page 3 & 4
For RG58 cable : see page 5

Recommended cable(s)
RG 58
RG 174
RG 316

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	**RG58**	**110**	N mini
	RG174 JUDD CABLE	**110**	N mini
	RG316	**110**	N mini
	RG174	**65****	N mini

TOOLING

Référence	Désignation	Hexagone
RG174	**(2.6/50S) CABLE**	
R282.293.000	CRIMPING TOOL	
R282.235.915	CRIMPING TOOL	Square 0.72
R282.235.916	RIGHT CRIMPING TOOL	Hex 3.25
R282.235.917	LEFT CRIMPING TOOL	Hex 3.25
	OR	
R282.281.000	CRIMPING TOOL	2x4pts 3pos
R282.967.034	POSITIONER	
RG 58	**(5/50S) CABLE**	
R282.293.000	CRIMPING TOOL	
R282.235.910	CRIMPING DIES	Square 1.1
R282.235.011	CRIMPING DIES	Hex 5.41
	OR	
R282.281.000	CRIMPING TOOL	2x4pts 7pos
R282.967.034	POSITIONER	

OTHERS CHARACTERISTICS

* VSWR : 1.20 maxi at 4 GHZ
** According to the cable used , for more details , please contact us.

Issue :

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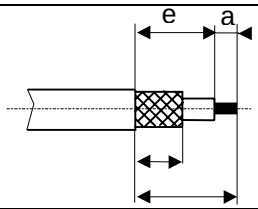
Series : **SMB CARLOCK**

Recommended mounting procedure for RG174 cable

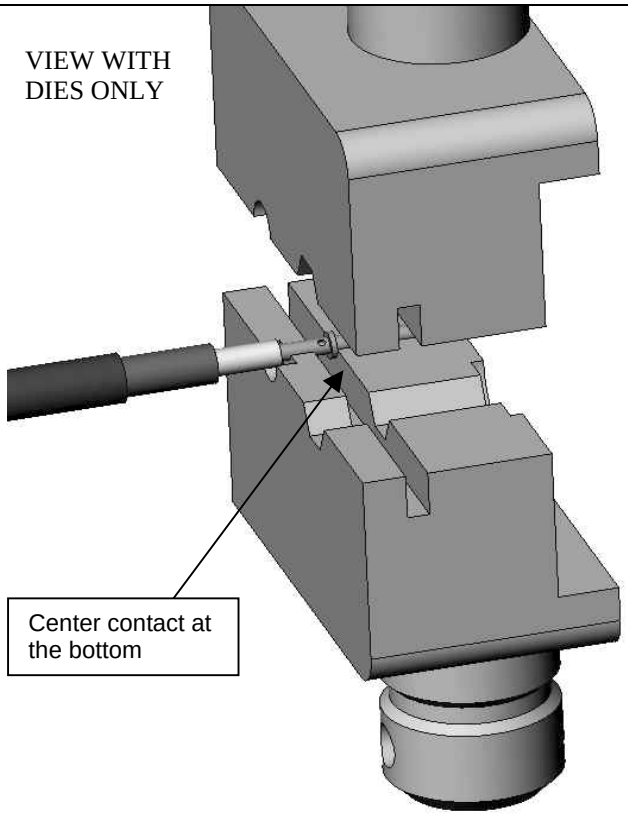


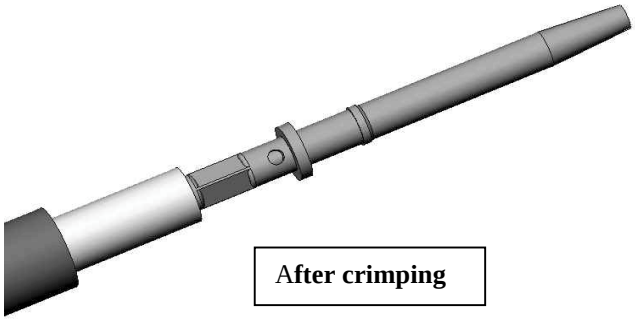
1

- **Slide the ferrule onto the cable**
- **Strip the cable**

2

- **Slide the centre contact on until it bottoms against the cable dielectric**
- **Crimp the centre contact with crimping tool R282.293.000 (M22520/5-01) + dies R282.235.915 (square 0.72) or R282.281.000 (3 position) (2x4pts) with positioner R282.967.034.**





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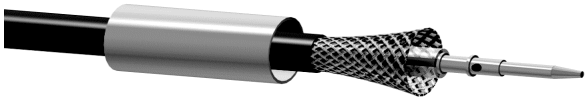
Recommended mounting procedure for RG174 cable

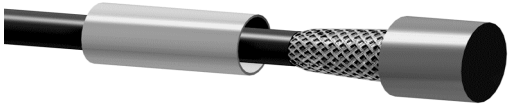
3

- **Fan the braid**



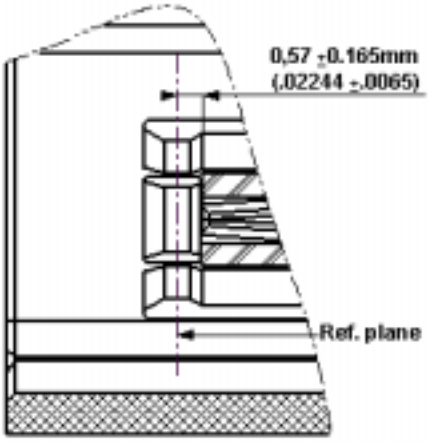
4

- **Slide the cable into the body until it bottoms against insulator**

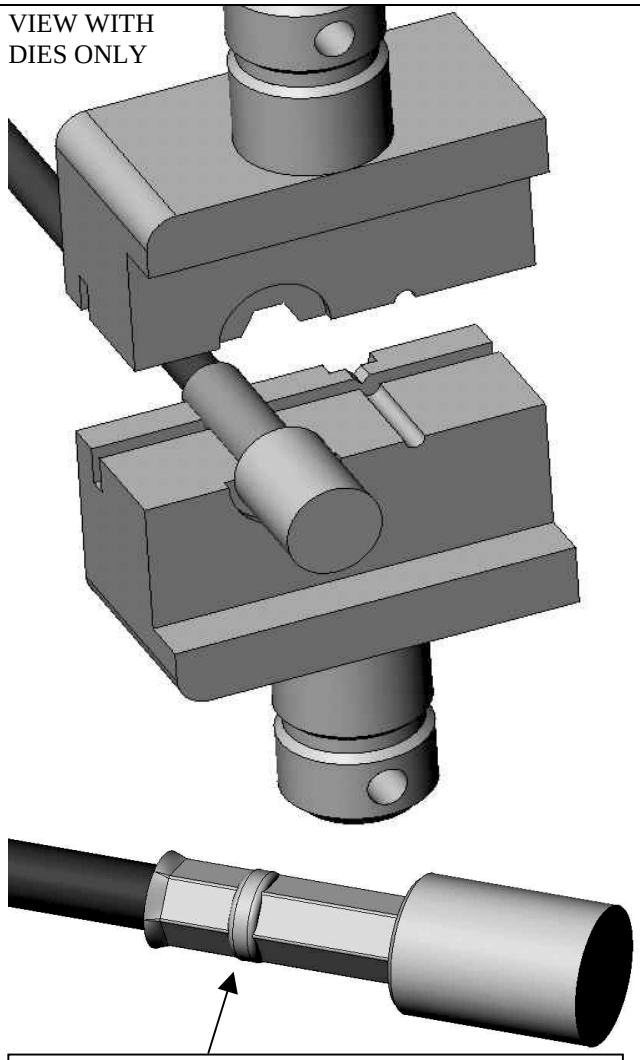


5

- **Slide the ferrule over the braid**
- **Crimp the ferrule as shown on the picture with crimping tool R282.293.000 (M22520/5-01) + dies R282.235.915 (Double crimping Hex 3.25).**
- **Check the position of the center contact between the top of the center contact and the SMB ref. plane : 0.57 ±0.165**



VIEW WITH DIES ONLY



Right tool orientation :after crimping the bump must be closer to the cable than to the body

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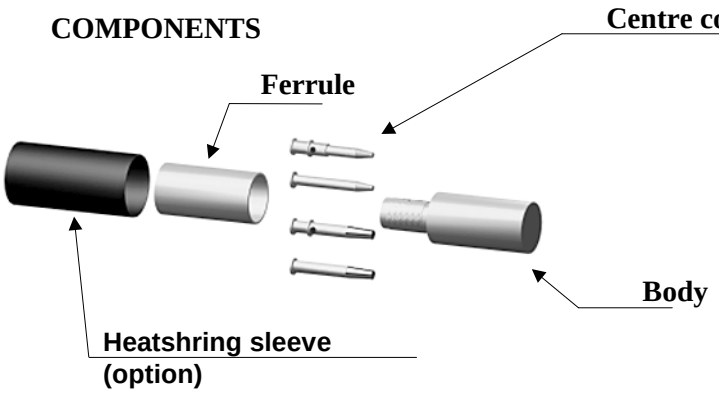
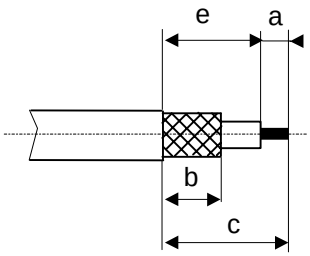
Series : **SMB CARLOCK**

Recommended mounting procedure for RG58 cable

COMPONENTS



STRIPPING DIMENSIONS

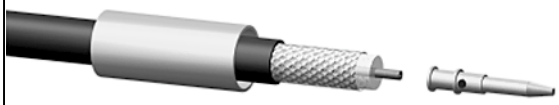


1

Slide the heatshrink sleeve onto the cable (Option).
Slide the ferrule onto the cable.
Strip the cable.

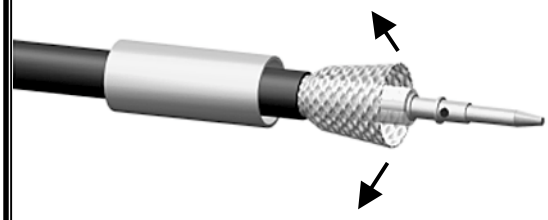
2

Slide the centre contact on until it bottoms against the cable dielectric.
Crimp the centre contact with crimping tool R282.235.910 (square 1.1) or with crimping tool R282.281.000 (7 position 2x4pts) + positioner R282.967.034.



3

Fan the braid.



4

Slide the cable into the body until it bottoms against insulator.

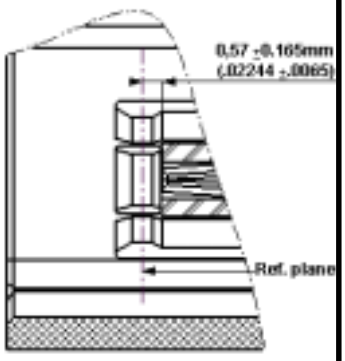
5

Slide the ferrule over the braid.
Crimp the ferrule with crimping tool R282.235.011 (Hex 5.41).

After crimping

6

Check the position of the cente contact between the top of the center contact and the SMB ref. plane : **0.57 ±0.165**.



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