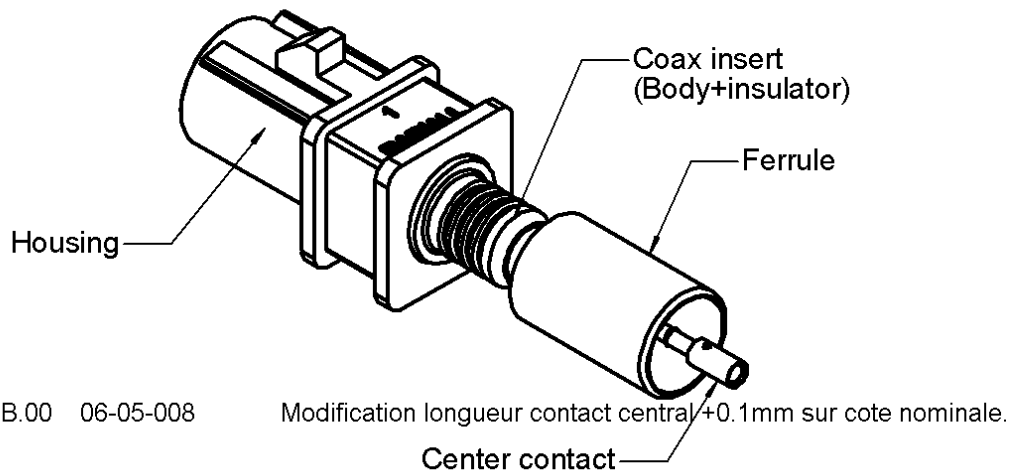
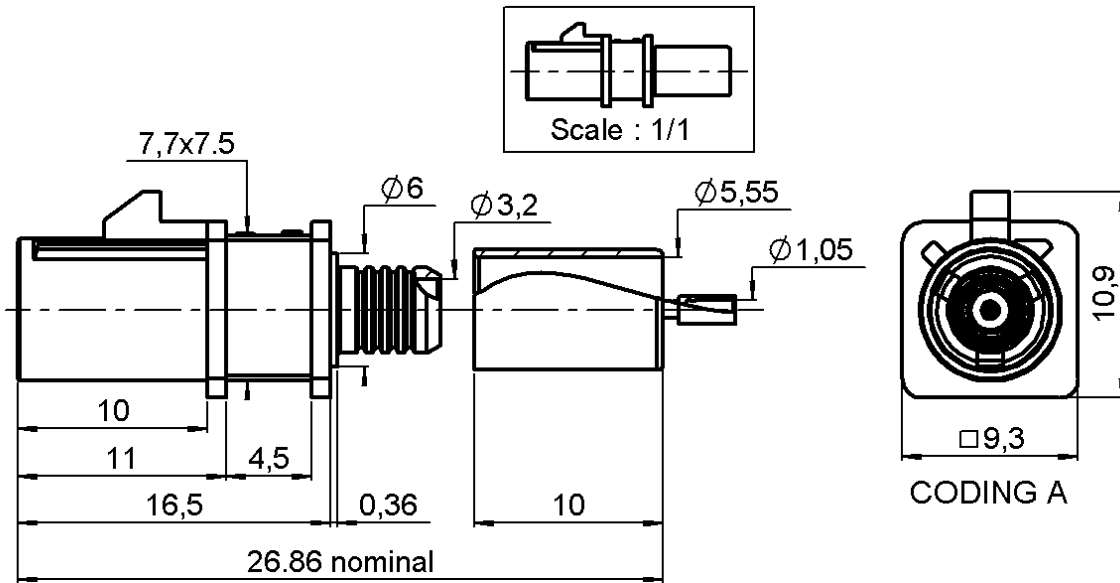


**HOUSING + STRAIGHT JACK MALE**

**R197.134.A01**

**CRIMP TYPE CABLE 5/50S**

Series : SMB CARLOCK



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)	
BODY	BRASS	NICKEL 2	
CENTER CONTACT	BRASS	GOLD 0.8 OVER NICKEL 2	
OUTER CONTACT	-	-	
INSULATOR	PTFE		
GASKET	-		
OTHERS PARTS	BRASS	NICKEL 2	
HOUSING	PA6.6 GF15 (POLYAMIDE)	UL CLASSIFICATION	COLOR
		UL 94 V-2	BLACK RAL 9005

Issue : 0737 B

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



**HOUSING + STRAIGHT JACK MALE**

**CRIMP TYPE CABLE 5/50S**

**R197.134.A01**

Series : **SMB CARLOCK**

**PACKAGING**

Standard	Unit	Other
<b>500</b>	<b>'W' option</b>	<b>Contact us</b>

**ELECTRICAL CHARACTERISTICS**

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-4</b>	GHz
VSWR	<b>1.20** + 0,0000</b>	x F(GHz) Maxi
Insertion loss	<b>0.05</b>	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- ( <b>-45</b> )	- F(GHz)) dB Maxi
Voltage rating	<b>335</b>	Veff Maxi
Dielectric withstanding voltage	<b>1000</b>	Veff mini
Insulation resistance	<b>1000</b>	M $\Omega$ mini

**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
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>100</b>	Cycles mini
Weight	<b>2,9600</b>	g

**ENVIRONMENTAL**

Operating temperature	<b>-40/+110*</b>	$^{\circ}$ C
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

**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	f
mm	2,40	5,50	10,2	0,00	7,80	0,00

Assembly instruction : **Page 3**

Recommended cable(s)  
RG 58

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 **180** N mini  
- torque - N.cm

**TOOLING**

Part Number	Description	Hexagon
R282.293.000	CRIMPING TOOL M22520/5-01	
R282.235.910	CRIMPING DIES	Square 1.1
R282.235.011	CRIMPING DIES M22520/5-11	5.41
R282.281.000	CRIMPING TOOL	2x4pts 7 pos
R282.967.034	POSITIONER FOR TOOL R282 281	

**OTHER CHARACTERISTICS**

\* Depends on the cable used  
\*\* VSWR : 1.20 maxi at 4GHz

Issue : **0737 B**

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



**HOUSING + STRAIGHT JACK MALE**

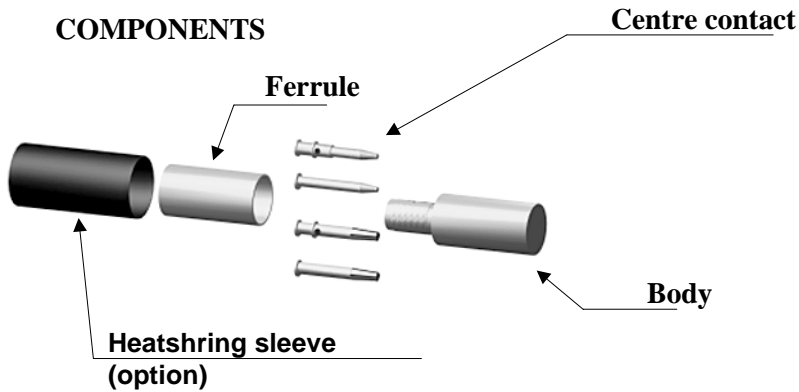
**CRIMP TYPE CABLE 5/50S**

**R197.134.A01**

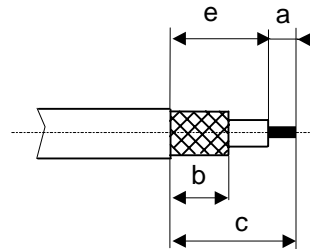
Series : SMB CARLOCK

**Recommended mounting procedure for RG58 cable**

**COMPONENTS**



**STRIPPING DIMENSIONS**



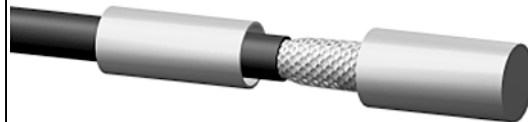
**1**

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



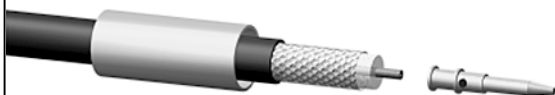
**4**

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



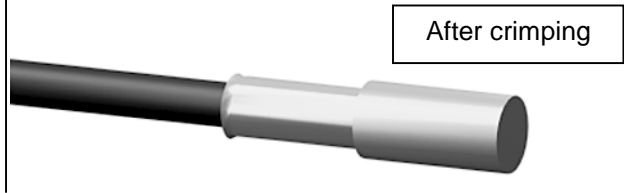
**2**

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.



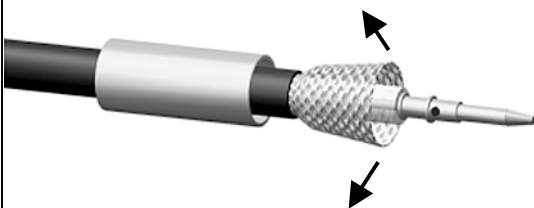
**5**

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



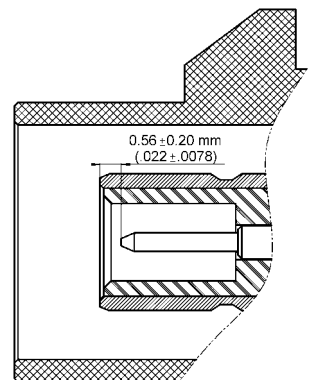
**3**

**Fan the braid.**



**6**

Check the position of the center contact between the top of the body and the top of the center contact : **0.56 ±0.20**.



**Issue : 0737 B**

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

