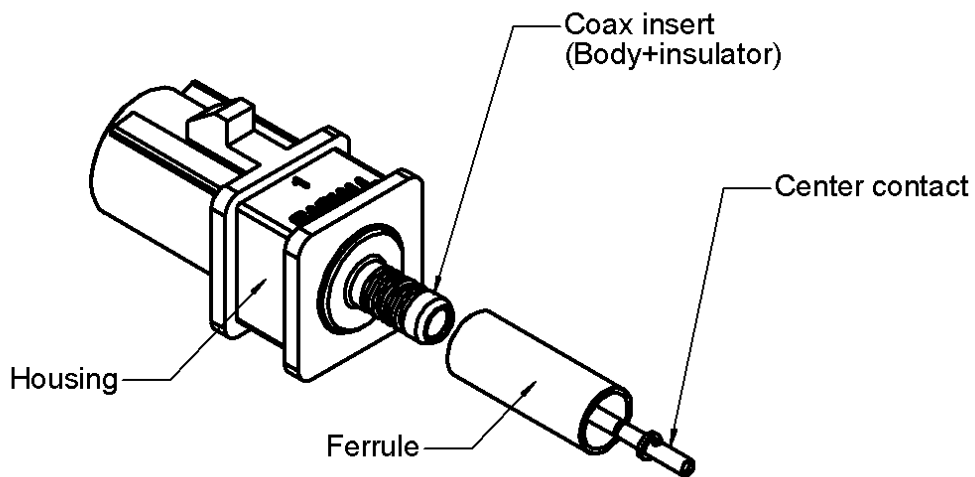
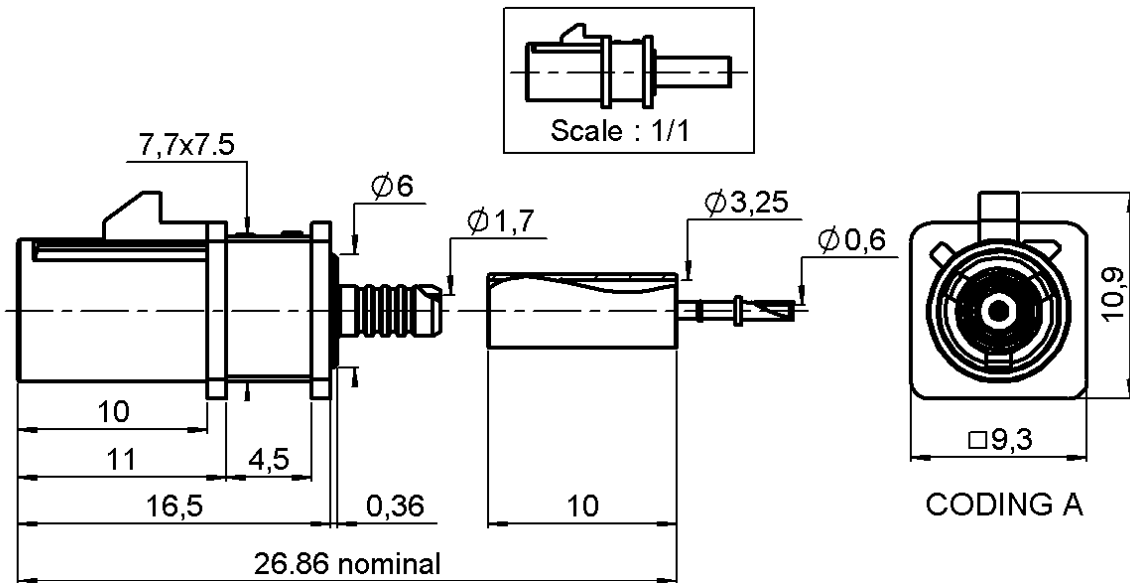


**HOUSING + STRAIGHT MALE JACK**

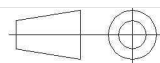
**R197.134.A00**

**CRIMP TYPE 2.6/50S + 2.6/75S CABLES PACK500**

Series : **SMB**  
**CARLOCK**



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (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)	<table border="1"> <tr> <td>UL CLASSIFICATION</td> <td>COLOR</td> </tr> <tr> <td>UL 94 V-2</td> <td>BLACK RAL 9005</td> </tr> </table>	UL CLASSIFICATION	COLOR	UL 94 V-2	BLACK RAL 9005
UL CLASSIFICATION	COLOR					
UL 94 V-2	BLACK RAL 9005					

Issue : 0737 B

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**HOUSING + STRAIGHT MALE JACK**

**R197.134.A00**

**CRIMP TYPE 2.6/50S + 2.6/75S CABLES PACK500**

Series : **SMB**  
**CARLOCK**

**PACKAGING**

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

**ELECTRICAL CHARACTERISTICS**

Stripping	a	b	c	d	e	f
mm	2,40	5,50	10,2	0,00	7,80	0,00

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

Assembly instruction : **Pages 3-4-5 & 6**

Recommended cable(s)

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

**MECHANICAL CHARACTERISTICS**

Cable retention

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

- pull off	<b>RG174 JUDD CABLE</b>	<b>110 N mini</b>
	<b>1.5CS-QEHV (TA)</b>	<b>110 N mini</b>
	<b>1.5DS-QEHV (TA)</b>	<b>110 N mini</b>
	<b>RG316</b>	<b>110 N mini</b>
	<b>RG174</b>	<b>65* N mini</b>

- torque **NA** N.cm

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>2,5600</b>	g

**TOOLING**

Part Number	Description	Hexagon
.	.	.
R282.293.000	CRIMPING TOOL M22520/5-01	
R282.235.915	CRIMPING DIES	Hex 3.25 Square 0.72
R282.271.000	CRIMPING TOOL	Square 0.72
R282.281.000	CRIMPING TOOL	2x4pts
R282.967.034	POSITIONER FOR TOOL R282 281	

**ENVIRONMENTAL**

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

**OTHERS CHARACTERISTICS**

\* Depends on the cable used

\*\* VSWR : 1.20 maxi at 4 GHZ

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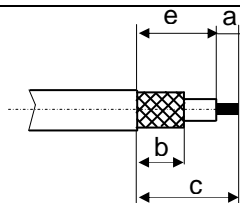
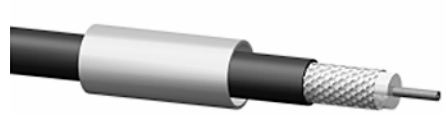
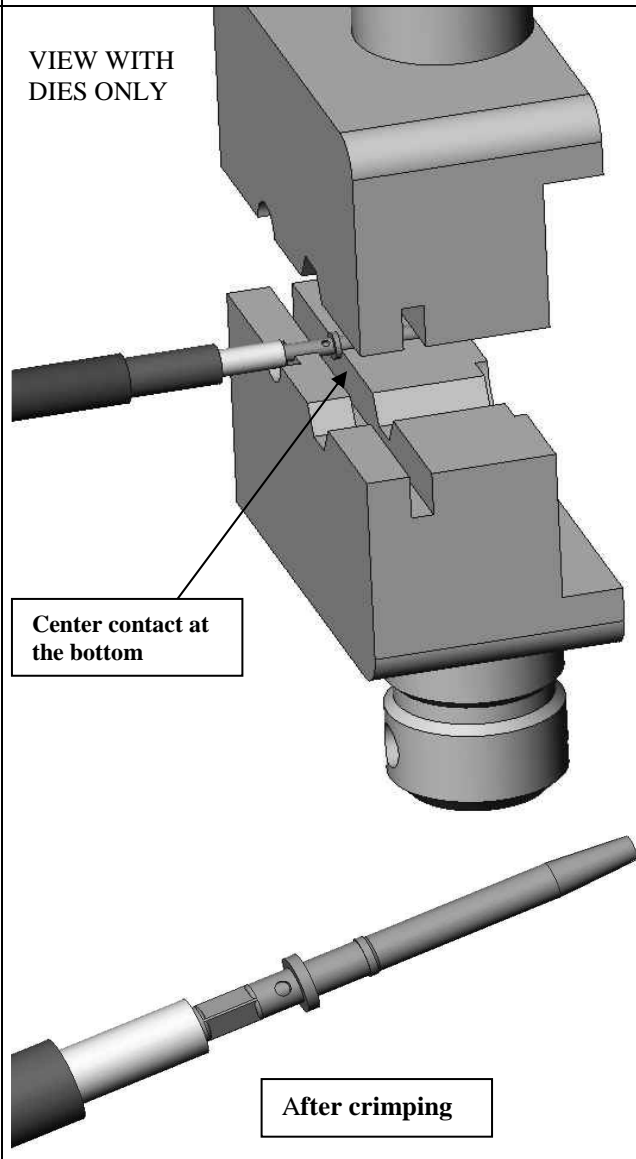
**HOUSING + STRAIGHT MALE JACK**

**R197.134.A00**

**CRIMP TYPE 2.6/50S + 2.6/75S CABLES PACK500**

Series : SMB  
CARLOCK

**Recommended mounting procedure for RG174 cable**

	
<p><b>1</b></p> <ul style="list-style-type: none"> <li>• Slide the ferrule onto the cable</li> <li>• Strip the cable</li> </ul>	
<p><b>2</b></p> <ul style="list-style-type: none"> <li>• Slide the centre contact on until it bottoms against the cable dielectric</li> <li>• 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.</li> </ul>	<p>VIEW WITH DIES ONLY</p> 

Issue : 0737 B

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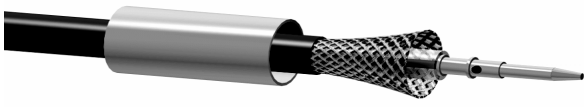

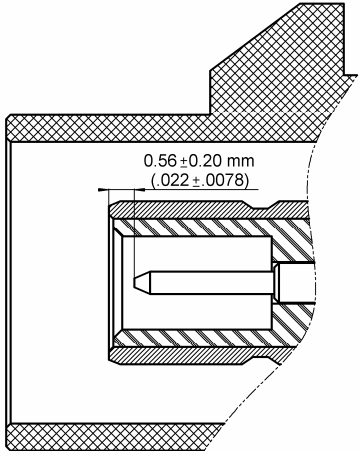
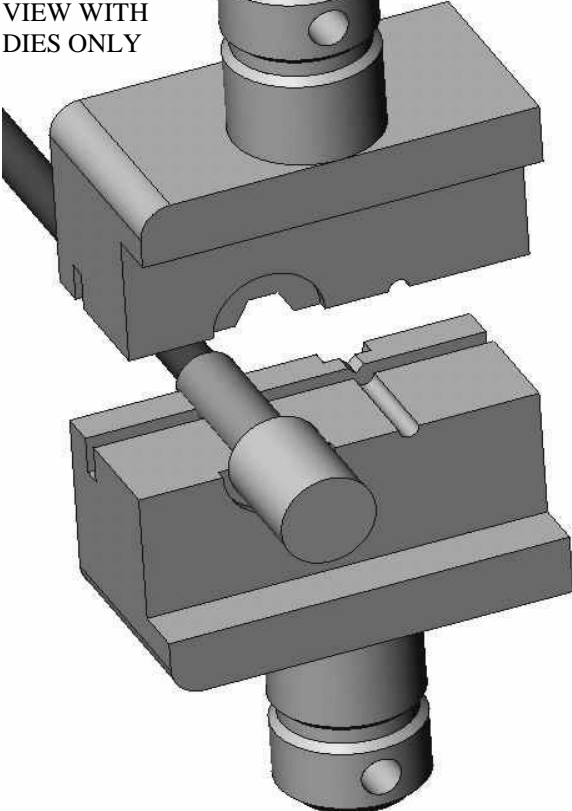
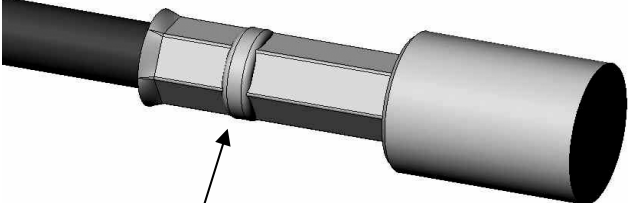
**HOUSING + STRAIGHT MALE JACK**

**R197.134.A00**

**CRIMP TYPE 2.6/50S + 2.6/75S CABLES PACK500**

Series : SMB  
CARLOCK

**Recommended mounting procedure for RG174 cable**

<p><b>3</b></p> <ul style="list-style-type: none"> <li>• Fan the braid</li> </ul>	
<p><b>4</b></p> <ul style="list-style-type: none"> <li>• Slide the cable into the body until it bottoms against insulator</li> </ul>	
<p><b>5</b></p> <ul style="list-style-type: none"> <li>• Slide the ferrule over the braid</li> <li>• 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).</li> <li>• Check the position of the center contact between the top of the body and the top of the center contact : <math>0.56 \pm 0.20</math> mm (<math>.022 \pm .0078</math>).</li> </ul> 	<p>VIEW WITH DIES ONLY</p>   <p>Right tool orientation :after crimping the bump must be closer to the cable than to the body</p>

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**HOUSING + STRAIGHT MALE JACK**

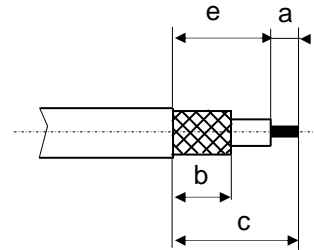
**CRIMP TYPE 2.6/50S + 2.6/75S CABLES PACK500**

**R197.134.A00**

Series : **SMB**  
**CARLOCK**

**Recommended mounting procedure for 1.5CS-QEHV (TA) cable**

**STRIPPING DIMENSIONS**



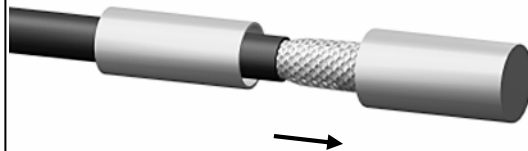
**1**

- Slide the ferrule onto the cable.
- Strip the cable.



**4**

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



**2**

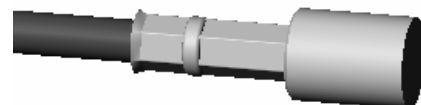
- Slide the centre contact on until it bottoms against the cable dielectric
- Crimp the centre contact with crimping tool R282.281.000 (1 position) (2x4pts) with positioner R282.967.034.



**5**

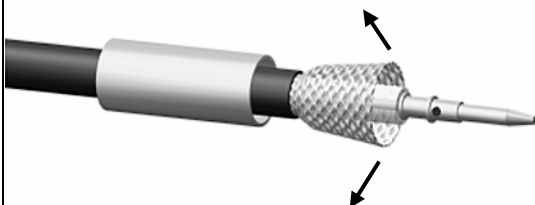
- Slide the ferrule over the braid.
- Crimp the ferrule as shown on this picture with crimping tool R282.293.000 (M22520/5-01) + dies R282.223.000 (double crimping Hex 3.25)

After crimping



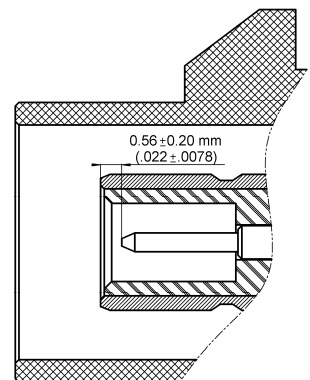
**3**

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**.



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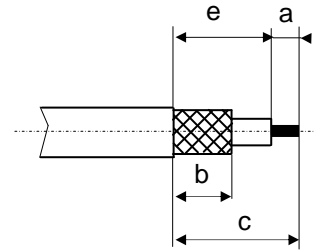
**CRIMP TYPE 2.6/50S + 2.6/75S CABLES PACK500**

**R197.134.A00**

Series : **SMB**  
**CARLOCK**

**Recommended mounting procedure for 1.5DS-QEHV (TA) cable**

**STRIPPING DIMENSIONS**



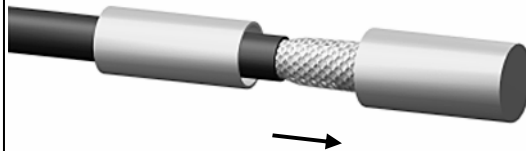
**1**

- Slide the ferrule onto the cable.
- Strip the cable.



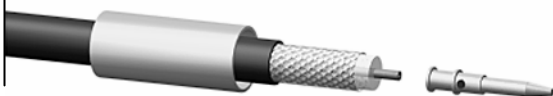
**4**

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



**2**

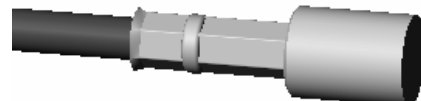
- Slide the centre contact on until it bottoms against the cable dielectric
- Crimp the centre contact with crimping tool R282.281.000 (3 position) (2x4pts) with positioner R282.967.034.



**5**

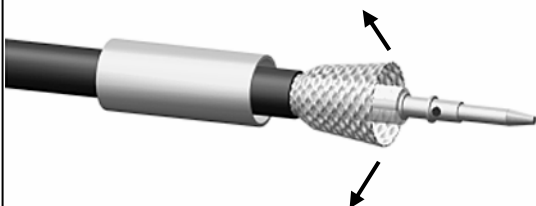
- Slide the ferrule over the braid.
- Crimp the ferrule as shown on this picture with crimping tool R282.293.000 (M22520/5-01) + dies R282.223.000 (double crimping Hex 3.25)

After crimping



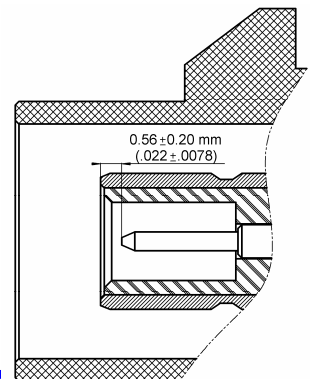
**3**

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**.



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