



**STRAIGHT FEMALE PLUG CRIMP TYPE**

**R197.114.A26**

**CABLE 6/75 S 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)

**ELECTRICAL CHARACTERISTICS**

Impedance	<b>50</b>	$\Omega$
Frequency	<b>0-1</b>	GHz
VSWR	<b>1.60 + 0,0000</b>	x F(GHz) Maxi
Insertion loss	<b>0.30</b>	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- ( <b>NA</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

**CABLE ASSEMBLY**

Stripping	a	b	c	d	e	f
mm	3,60	8,50	12,1	0,00	8,50	0,00

Assembly instruction : **See Pages 3 & 4**

Recommended cable(s)

- RG59/U TFC/Amphenol  
Part number T59PN95C-VB
- RG59/U CommScope  
Part number # AMC-59

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 **150** N mini
- torque **NA** 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
.	.	.
R282.293.000	CRIMPING TOOL	
R282.235.013	CRIMPING DIES	Hex 6.48
R282.223.000	CRIMPING TOOL	Hex 6.48

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>25</b>	Cycles mini
Weight	<b>3,9500</b>	g

**OTHER CHARACTERISTICS**

\* Depends on the cable used.

**ENVIRONMENTAL**

Operating temperature	<b>-40/+90*</b>	$^{\circ}$ C
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

Issue : **0640 C**

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



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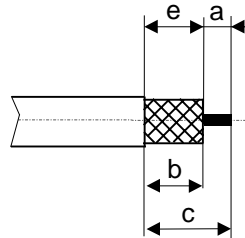
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**RECOMMENDED MOUNTING PROCEDURE**

**1**



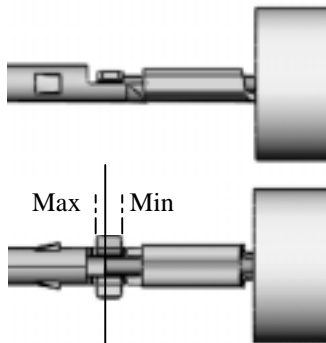
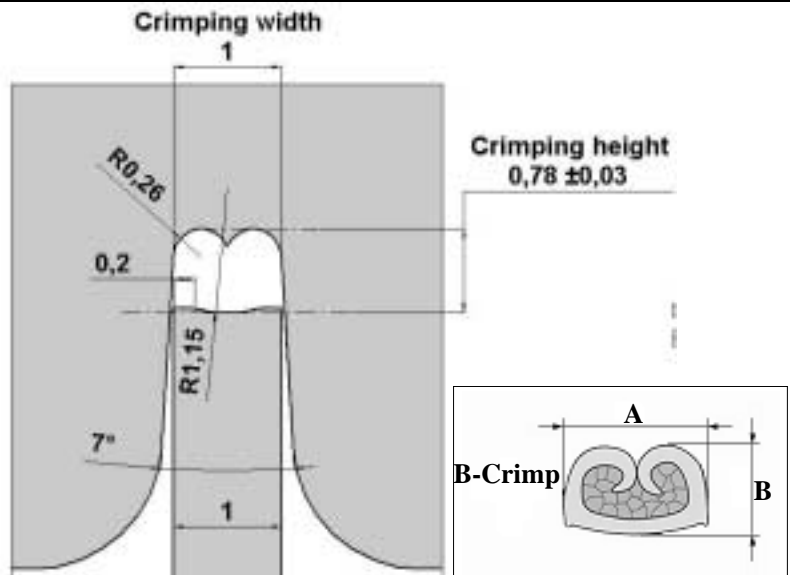
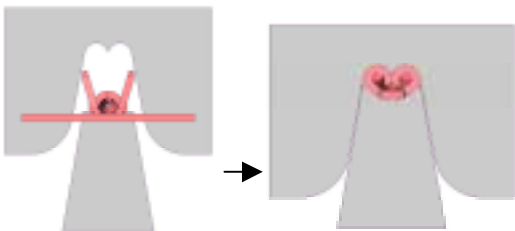
a : inner conductor stripping dimension.  
 b : braid stripping dimension.  
 c : jacket stripping dimension.  
 e : dielectric stripping dimension.

• Strip the cable

**2**

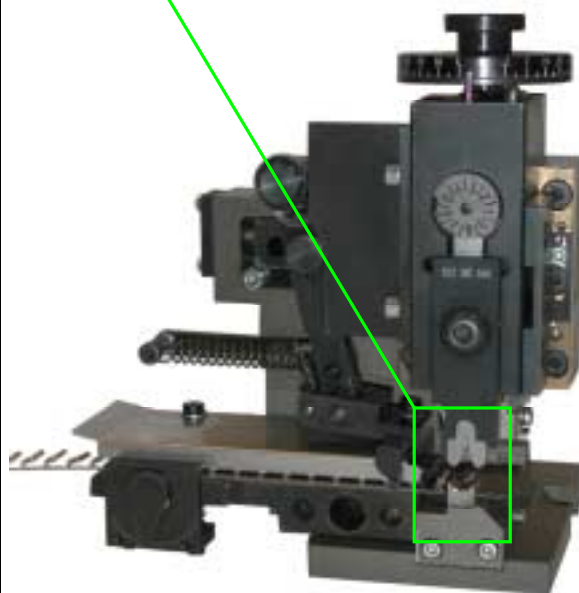
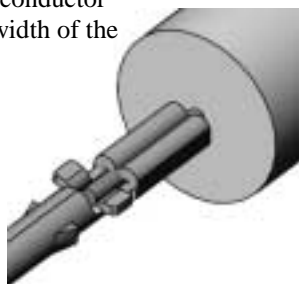
• Crimp the centre contact with crimping dies as described ,using standard mini applicator.

• check the crimping height  $B=0.78 \pm 0.03$  and the crimping width  $A=1 \pm 0.05$  of the center contact.



Visual checking

The tip of the cable conductor must be within the width of the positive stop tap.



Mini applicator

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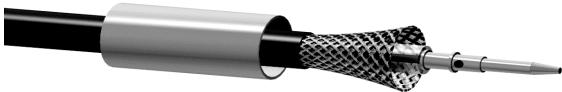
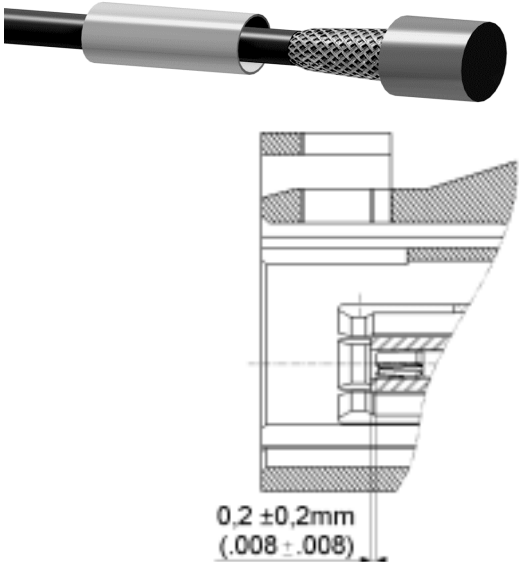

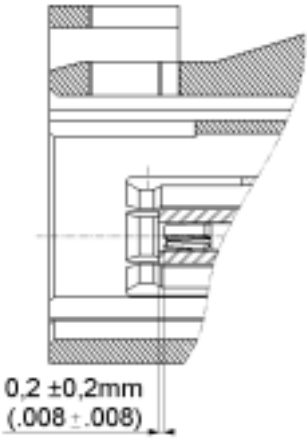
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**RECOMMENDED MOUNTING PROCEDURE**

<p><b>3</b></p> <ul style="list-style-type: none"> <li>• Slide the ferrule</li> <li>• Fan the braid</li> </ul>	
<p><b>4</b></p> <ul style="list-style-type: none"> <li>• Insert gently the center contact into the insulator ; Be cautious you must feel first a force detente corresponding to the center contact barb insertion, and a second force stage corresponding to the center contact reaching its final location. Do not apply an excessive force on the center contact in order to avoid bad interface. A correct insertion force must lead to the interface dimension compliance.</li> <li>• Check the position of the center contact between the top of the insulator and the top of the center contact : <math>0.20 \pm 0.20</math>.</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 (Hex 6.48) with crimping tool R282.223.000 or crimping tool R282.293.000 (M22520/5-01) + dies R282.235.013 (M22520/5-13).</li> </ul>	
<p><b>6</b></p> <ul style="list-style-type: none"> <li>• Check the position of the center contact between the top of the insulator and the top of the center contact : <math>0.20 \pm 0.20</math>.</li> </ul>	

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