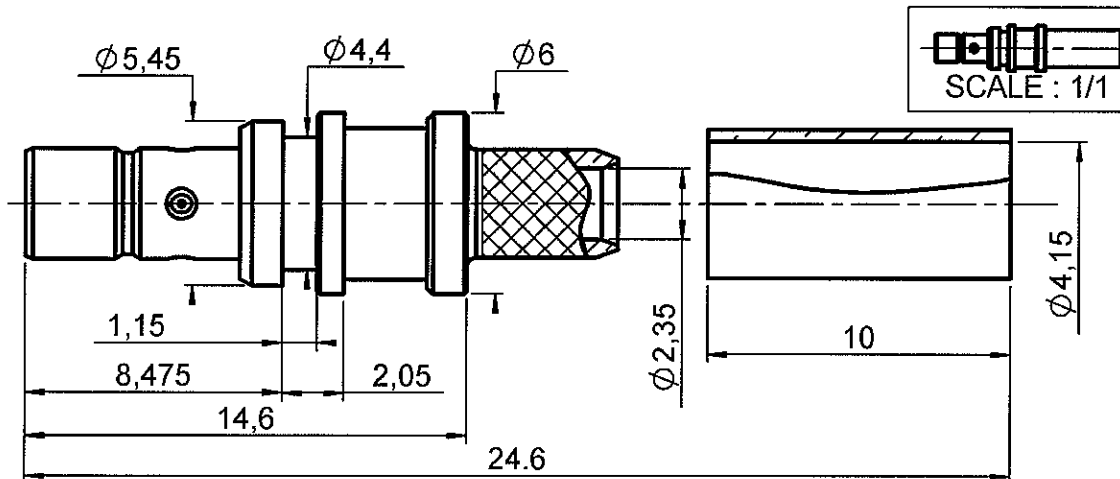


**STRAIGHT JACK CRIMP TYPE**

**R114.246.375**

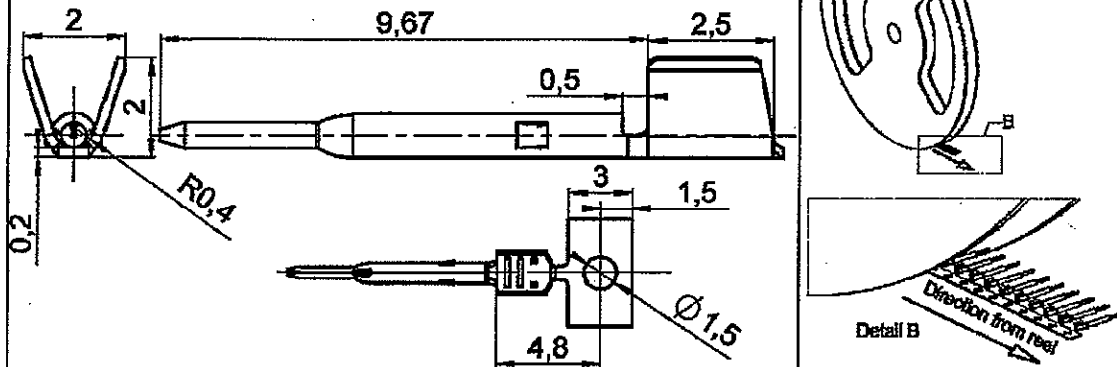
**CABLE 3.2/50 S**

Series : SMB CARLOCK



**Stamped and formed center contact to be ordered and delivered separately P/N 250.56.182**

- Tape & reel packaging by 10000
- Diameter of the reel: 600 mm
- Pitch between contacts: 5 mm
- Plating for contact area :Gold 0.5 over Nickel2
- Plating for crimp area :Tin 1 over Nickel 2



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
BODY	BRASS	NICKEL 2
CENTER CONTACT	BRONZE	SELECTIVE GOLD+ SELECTIVE TIN
OUTER CONTACT	-	-
INSULATOR	TPX	-
GASKET	-	-
OTHERS PARTS	BRASS	NICKEL 2
-	-	-
-	-	-

Issue : 0646 A

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



**STRAIGHT JACK CRIMP TYPE**

**R114.246.375**

**CABLE 3.2/50 S**

Series : SMB CARLOCK

**PACKAGING**

Standard	Unit	Other
100	'W' option	Contact us

**SPECIFICATION**

QS9000

**ELECTRICAL CHARACTERISTICS**

Impedance	50	Ω
Frequency	0-4	GHz
VSWR	1.15 + 0,0000	x F(GHz) Maxi
Insertion loss	0.25	√F(GHz) dB Maxi
RF leakage	- ( NA	- F(GHz) dB Maxi
Voltage rating	335	Veff Maxi
Dielectric withstanding voltage	1000	Veff mini
Insulation resistance	1000	MΩ mini

**CABLE ASSEMBLY**

Stripping	a	b	c	d	e	f
mm	3,00	5,50	10,5	0,00	7,50	0,00

Assembly instruction : See Pages 3&4

Recommended cable(s)  
RTK 031

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 110 N mini
- torque NA N.cm

**MECHANICAL CHARACTERISTICS**

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

**TOOLING**

Part Number	Description	Hexagon
.	.	.
R282.293.000	CRIMPING TOOL	
R282.235.911	CRIMPING DIES	4.3

Recommended torque	
Mating	NA N.cm
Panel nut	NA N.cm
Clamp nut	NA N.cm
A/F clamp nut	0,0000 mm

**OTHER CHARACTERISTICS**

THIS COAX CAN BE USED WITH  
FAKRA2 JACK HOUSING R197.132.\_90  
(replaced the \_ by the coding letter)

Mating life	25	Cycles mini
Weight	1,9900	g

**ENVIRONMENTAL**

Operating temperature	-40/+90	° C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

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STRAIGHT JACK CRIMP TYPE

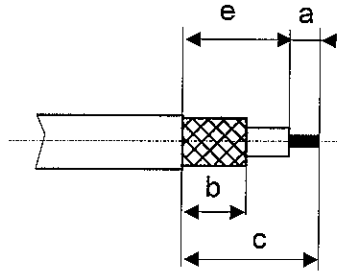
R114.246.375

CABLE 3.2/50 S

Series : SMB CARLOCK

RECOMMENDED MOUNTING PROCEDURE

1



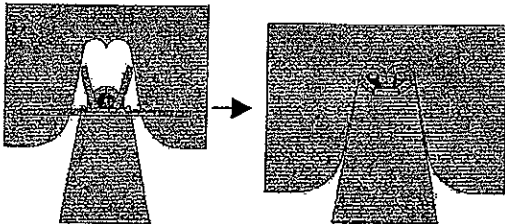
a : inner conductor stripping dimension.  
 b : braid stripping dimension.  
 c : jacket stripping dimension.  
 e : dielectric stripping dimension.

• Strip the cable

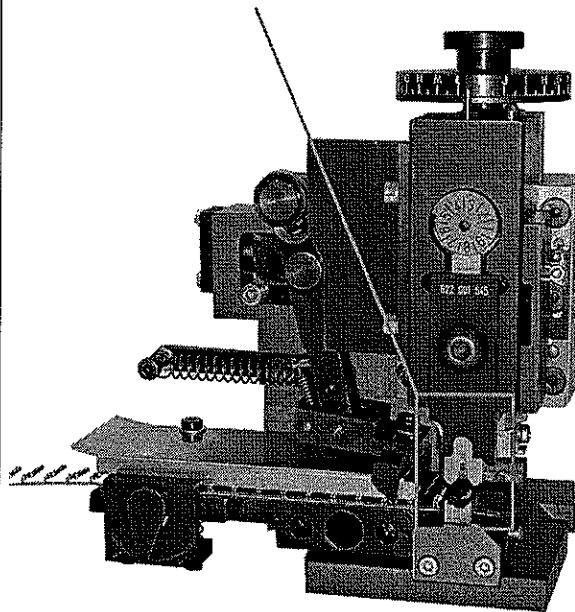
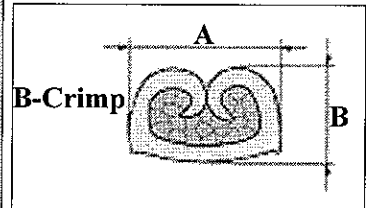
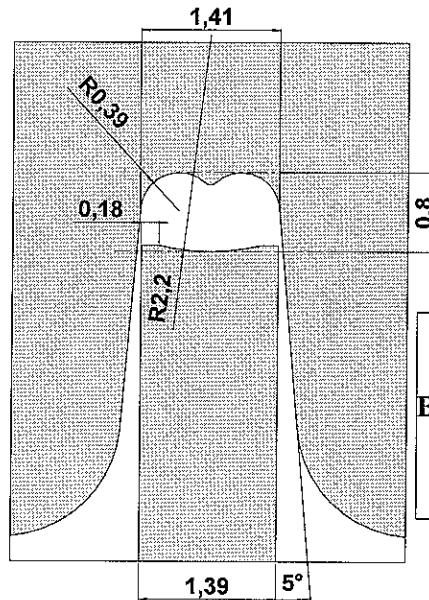
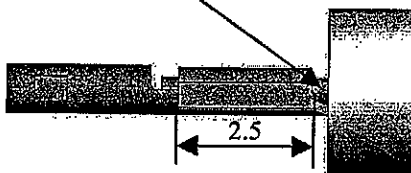
2

• Crimp the centre contact with crimping dies as described, using standard mini applicator.  
 FOR INFORMATION ONLY: we are using a mini applicator from SES SCHLEUNIGER but our contact can be used with any mini applicators

• check the crimping height  $B=0.8 \pm 0.04$  and the crimping width  $A=1.46 \pm 0.05$  of the center contact.



Dielectric of the cable must be as close as possible from the centre contact, not more than 0.5 mm



Mini applicator

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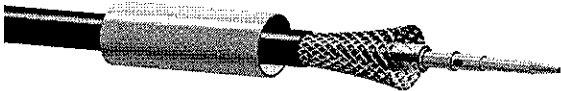
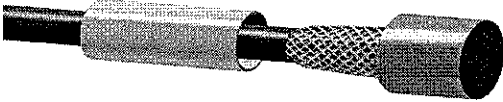
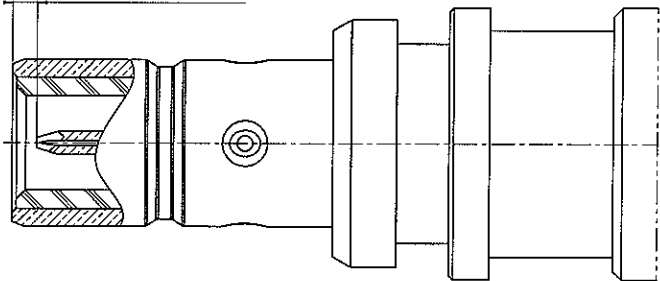
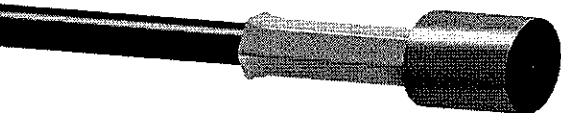
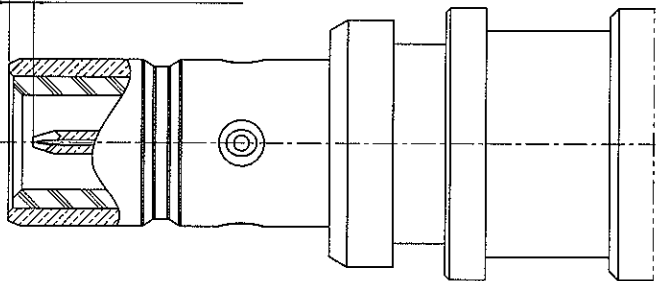
STRAIGHT JACK CRIMP TYPE

R114.246.375

CABLE 3.2/50 S

Series : SMB CARLOCK

**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>• Slide the cable into the connector body until the center contact bottoms against the insulator. Do not apply more than 20N when pushing on the cable.</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 0.2</math>.</li> </ul>	 <p><math>0.56 \pm 0.2</math></p> 
<p><b>5</b></p> <ul style="list-style-type: none"> <li>• Slide the ferrule over the braid</li> <li>• Crimp the ferrule with crimping tool R282.293.000 or crimping tool M22520/5-01 +dies R282.235.911 (Hex:4.30)</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 body and the top of the center contact : <math>0.56 \pm 0.2</math>.</li> </ul>	<p><math>0.56 \pm 0.2</math></p> 

Issue : 0646 A

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