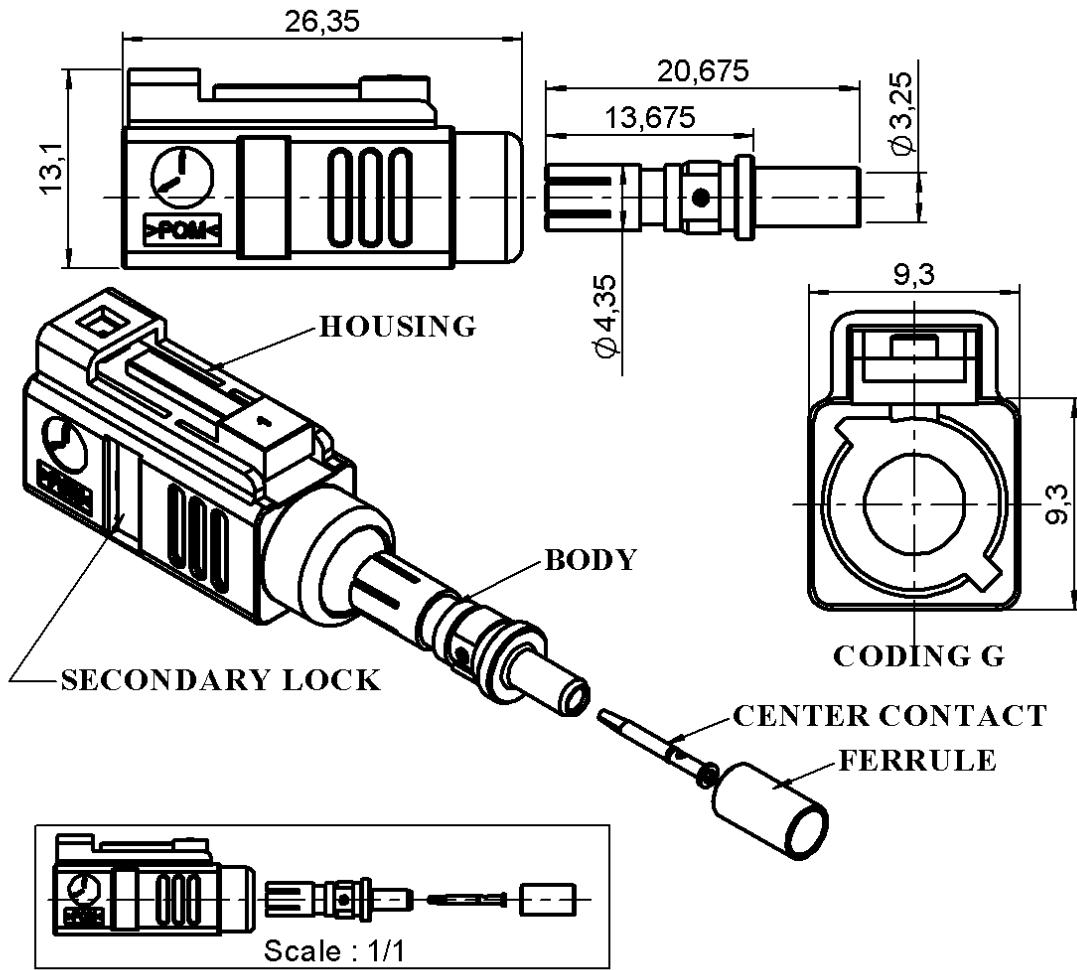


STRAIGHT COAX PLUG+HOUSING

CABLE 2.6/50 S

R197.110.G00

Series : **CARLOCK**



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)	
BODY	BRONZE	NICKEL .	
CENTER CONTACT	BRONZE	GOLD OVER NICKEL	
OUTER CONTACT	-	-	
INSULATOR	PTFE	-	
GASKET	-	-	
OTHERS PARTS	BRASS	NICKEL .	
HOUSING	Polyoxyméthylène (POM)	UL CLASSIFICATION	COLOR
SECONDARY LOCK	Polyoxyméthylène (POM)	UL 94 V-2	GREY RAL7031
		UL 94 V-2	PURPLE RAL4006

*According to FAKRA specifications

Issue : 0034 A

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PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

SPECIFICATION

ELECTRICAL CHARACTERISTICS

Impedance	50 Ω						
Frequency range	0-2 GHz						
	<table border="1"> <tr> <th>Frequency</th> <th>1GHz</th> <th>2GHz</th> </tr> <tr> <td>VSWR</td> <td>1.13</td> <td>1.030</td> </tr> </table>	Frequency	1GHz	2GHz	VSWR	1.13	1.030
Frequency	1GHz	2GHz					
VSWR	1.13	1.030					
Insertion loss	0.25 √F(GHz) dB Maxi						
RF leakage	- (F(GHz)) dB mini						
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	2.50	5.00	11.0	8.50	0.00	0.00

Assembly instruction : **page 4 and 5**

Recommended cable(s)

- RG 174
- KX 22A
- RG 316
- RG 188
- KX 3B

MECHANICAL CHARACTERISTICS

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

Cable retention

- pull off **120** N mini
- torque N.cm

TOOLING

Part Number	Description	Hexagon
R282.235.003	CRIMPING DIES	M22520/5-03
R282.271.000	CRIMPING TOOL	0.72/3.25
R282.293.000	CRIMPING TOOL	M22520/5-01
R282.902.100	INSERTION TOOL SMB CARLOCK	

Recommended torque	
Mating	N.cm
Panel nut	N.cm
Clamp nut	N.cm
A/F clamp nut	0.000 mm

Mating life	100 Cycles mini
Weight	3.036 g

OTHERS CHARACTERISTICS

Sealing protection NA
Housing locking strength 80 N mini

ENVIRONMENTAL

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

Issue : **0034 A**

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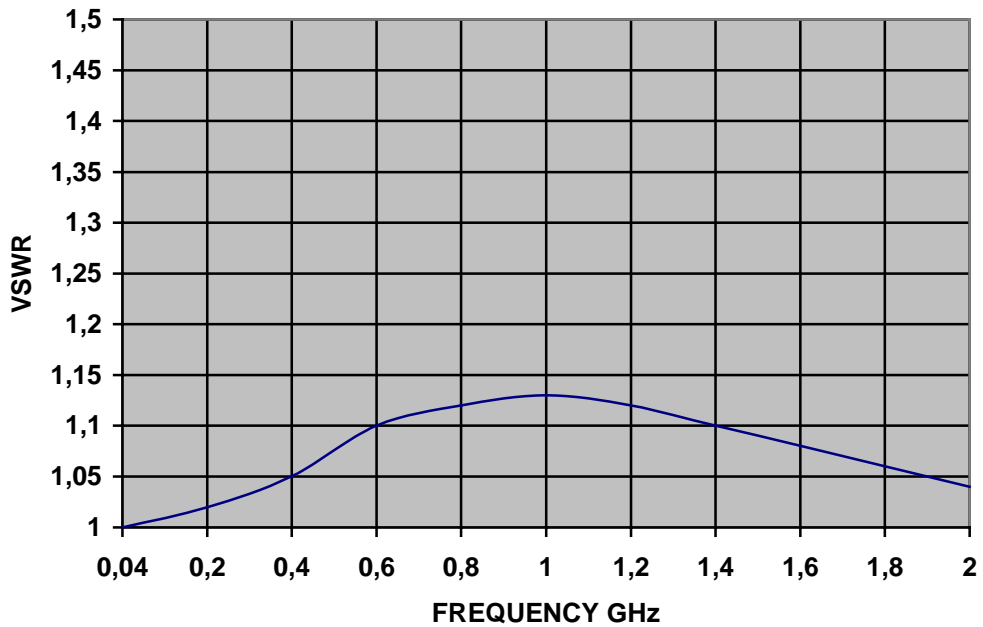
STRAIGHT COAX PLUG+HOUSING

R197.110.G00

CABLE 2.6/50 S

Series : **CARLOCK**

VSWR



Issue : 0034 A

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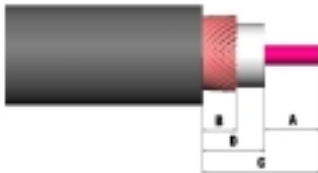
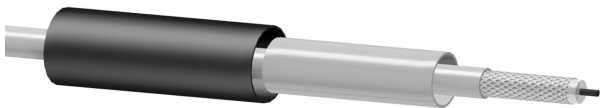
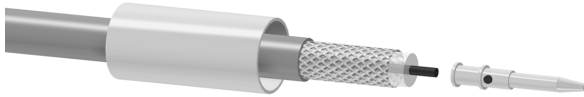
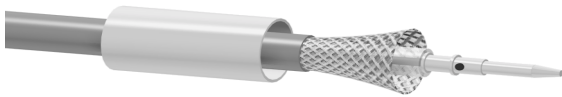
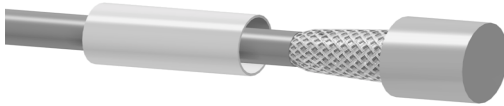

STRAIGHT COAX PLUG+HOUSING

R197.110.G00

CABLE 2.6/50 S

Series : **CARLOCK**

RECOMMENDED MOUNTING PROCEDURE

	
<p>1</p> <ul style="list-style-type: none"> • Slide the ferrule onto the cable • Strip the cable 	
<p>2</p> <ul style="list-style-type: none"> • Slide the centre contact on until it bottoms against the cable dielectric • Crimp the centre contact with crimping tool R282.271.000 (square 0.72) 	
<p>3</p> <ul style="list-style-type: none"> • Fan the braid 	
<p>4</p> <ul style="list-style-type: none"> • Slide the cable into the body until it bottoms against insulator 	
<p>5</p> <ul style="list-style-type: none"> • Slide the ferrule over the braid • Crimp the ferrule with crimping tool R282.271.000 (Hex:3.25) or crimping tool R282.293.000 (M22520/5-01) + dies R282.235.003 (M22520/5-03) 	

Issue : 0034 A

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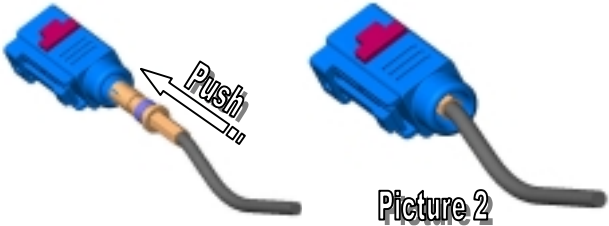
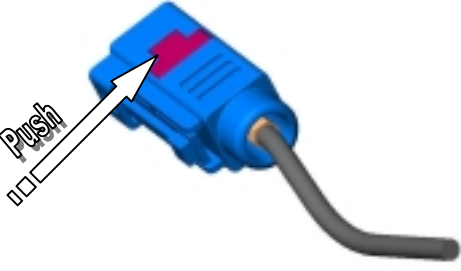
STRAIGHT COAX PLUG+HOUSING

CABLE 2.6/50 S

R197.110.G00

Series : CARLOCK

RECOMMENDED MOUNTING PROCEDURE

<p>6</p> <ul style="list-style-type: none">• Push the coax in the housing till it snap on (according to picture 2) Push the coax with the insertion tool R282.902.100	 <p>Picture 2</p>
<p>7</p> <ul style="list-style-type: none">• To secure the coax inside the housing , push the secondary lock in final position (until it click on)	

Issue : 0034 A

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