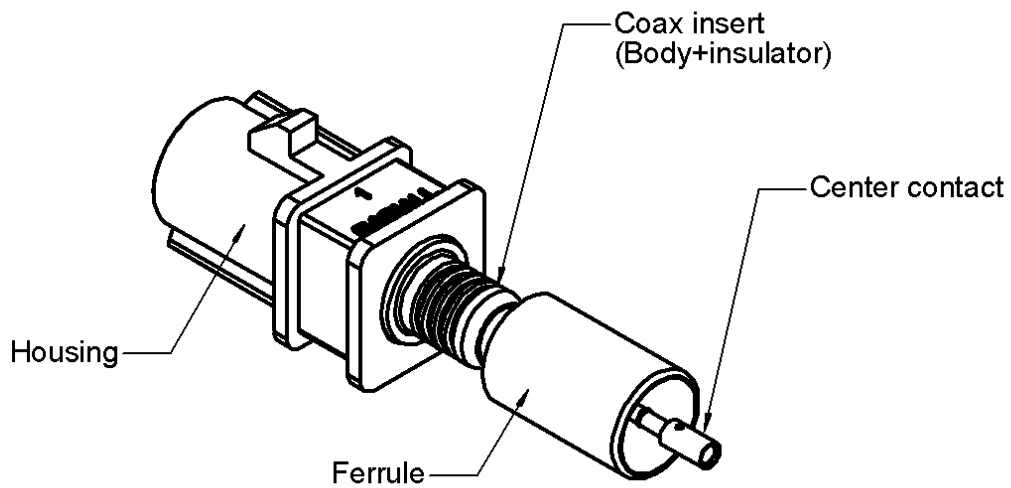
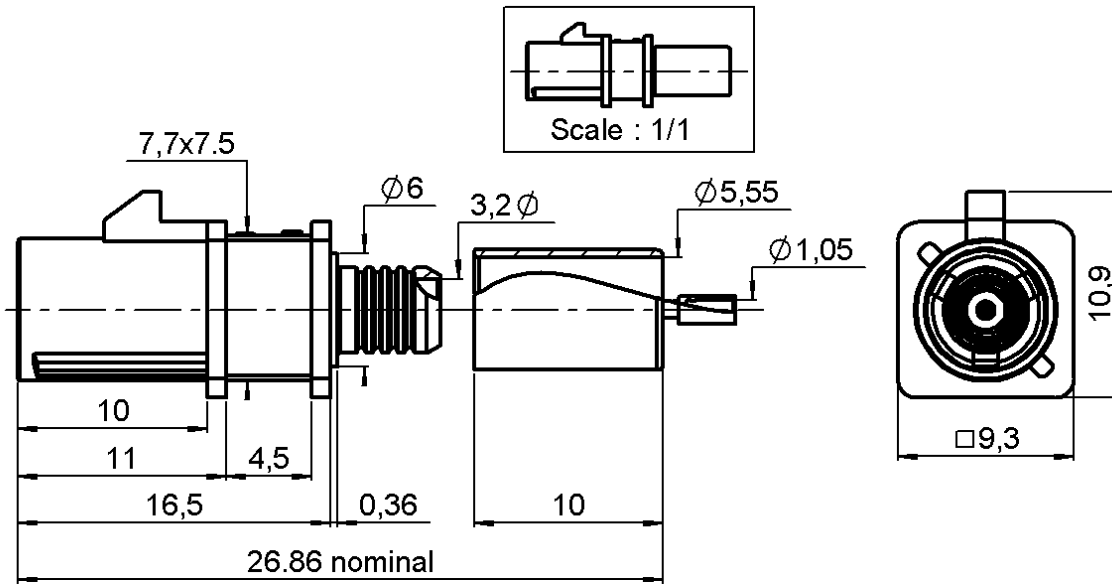


HOUSING + STRAIGHT MALE JACK CRIMP TYPE

R197.134._01

5/50S CABLE PACK500

Series : **SMB**
CARLOCK



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	BRONZE	NICKEL 2
CENTER CONTACT	BRONZE	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 SEE PAGE 3

Issue : 0609 A

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



HOUSING + STRAIGHT MALE JACK CRIMP TYPE

R197.134._01

5/50S CABLE PACK500

Series : **SMB
CARLOCK**

PACKAGING

Standard	Unit	Other
500	'W' option	Contact us

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		50 Ω
Frequency		0-4 GHz
VSWR	1.20** +	0.000 x F(GHz) Maxi
Insertion loss		0.05 √F(GHz) dB Maxi
RF leakage		-45 - 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	2.40	5.50	10.2	0.00	7.80	0.00

Assembly instruction : **Page 4**

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 **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

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

Mating life		100 Cycles mini
Weight		3.090 g

TOOLING

Part Number	Description	Hexagon
.	.	.
R282.293.000	CRIMPING TOOL	
R282.235.910	CRIMPING DIES	Square 1.1
R282.235.011	CRIMPING TOOL	Hex 5.41
R282.281.000	CRIMPING TOOL	2x4pts 7pos
R282.967.034	POSITIONER FOR TOOL R282 281	

OTHERS CHARACTERISTICS

* Depends on the cable used

** VSWR : 1.20 maxi at 4 GHZ

ENVIRONMENTAL

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

Issue : **0609 A**

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



HOUSING + STRAIGHT MALE JACK CRIMP TYPE

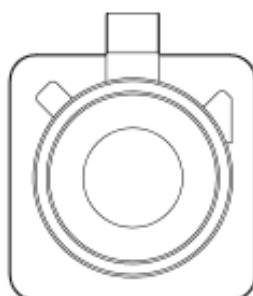
R197.134._01

5/50S CABLE PACK500

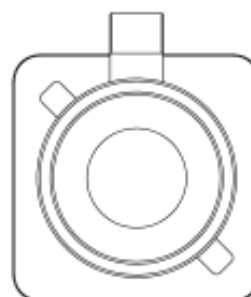
Series : **SMB**
CARLOCK



CODING A
COLOR BLACK
RAL 9005



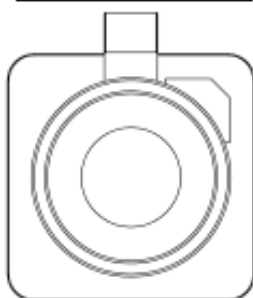
CODING B
COLOR CREAM WHITE
RAL 9001



CODING C
COLOR BLUE
RAL 5005



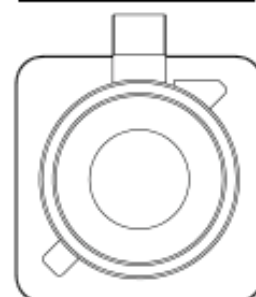
CODING D
COLOR BORDEAUX
VIOLET
RAL 4004



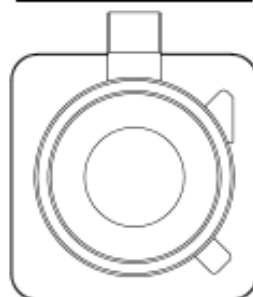
CODING E
COLOR GREEN
RAL 6002



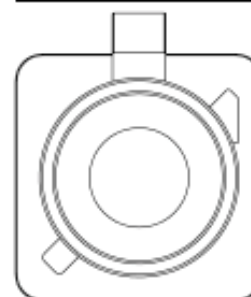
CODING F
COLOR BROWN
RAL 8011



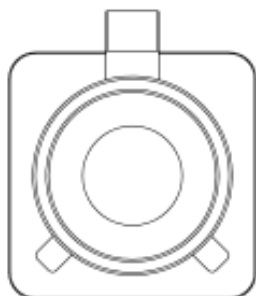
CODING G
COLOR GREY
RAL7031



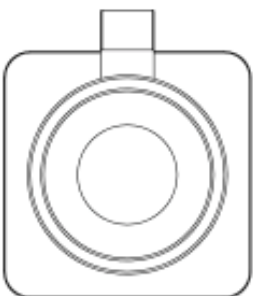
CODING H
COLOR VIOLET
RAL 4003



CODING I
COLOR BEIGE
RAL 1001



CODING K
COLOR CURRY
RAL 1027



CODING Z
COLOR WATER BLUE
RAL 5021

UL CLASSIFICATION
UL 94V-2

**According to FAKRA specifications*

Issue : 0609 A

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HOUSING + STRAIGHT MALE JACK CRIMP TYPE

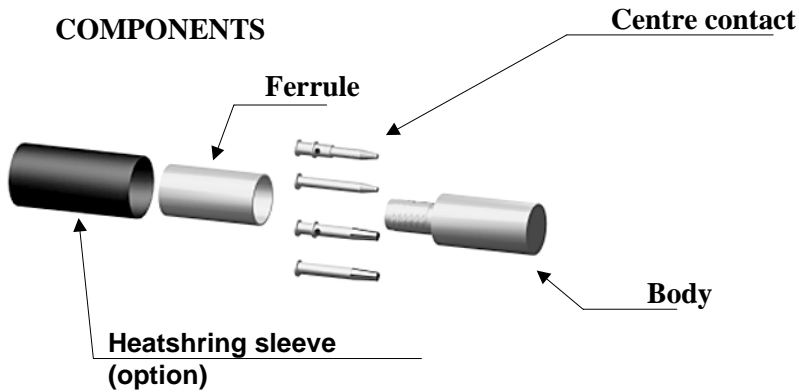
R197.134._01

5/50S CABLE PACK500

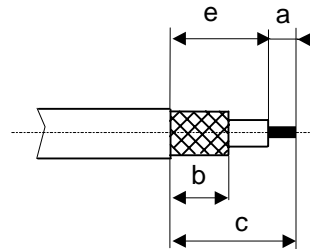
Series : SMB
CARLOCK

Recommended mounting procedure for RG58 cable

COMPONENTS



STRIPPING DIMENSIONS



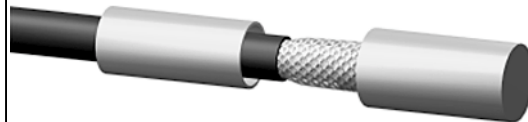
1

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



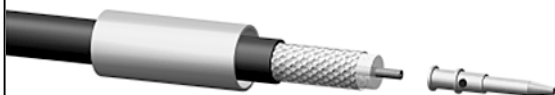
4

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.



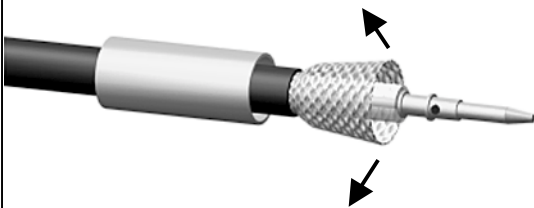
5

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



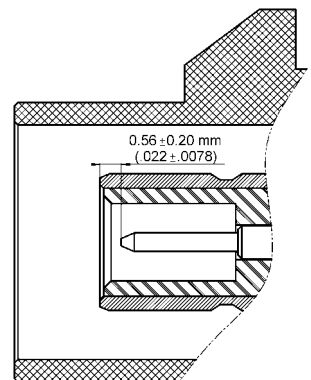
3

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 : 0609 A

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