

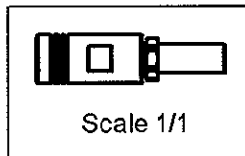
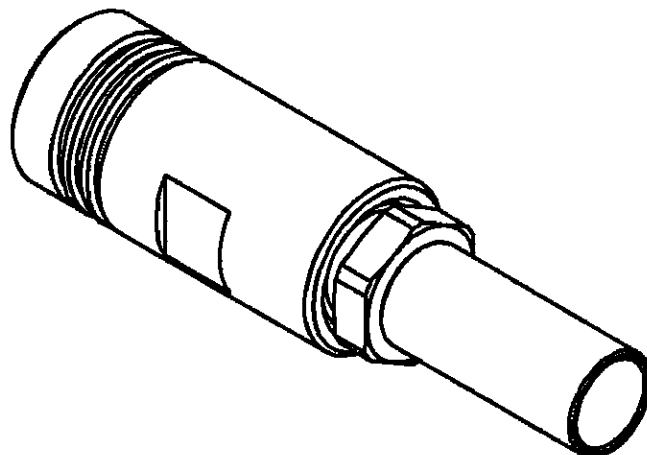
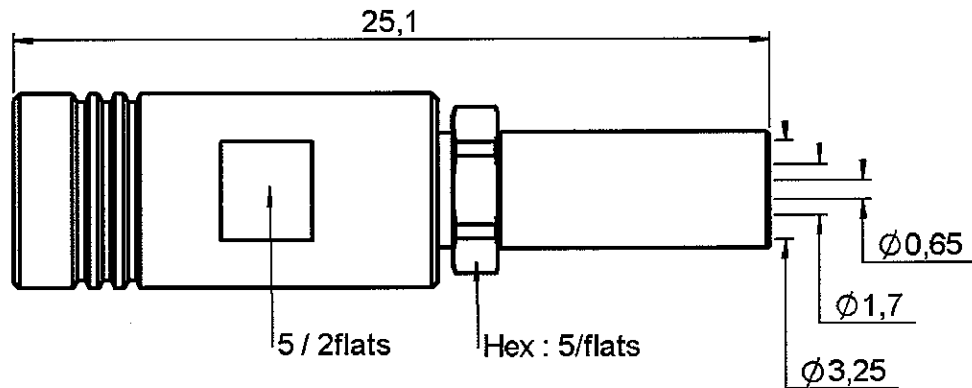
**STRAIGHT PLUG CRIMP TYPE**

**CABLE 2.6/50+75 S**

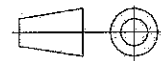
**R114.075.000**

Series : SMB

ORIGINAL



All dimensions are in mm.



| COMPONENTS     | MATERIALS        | PLATINGS ( $\mu\text{m}$ ) |
|----------------|------------------|----------------------------|
| BODY           | BRASS            | GOLD 0.2 OVER NICKEL 2     |
| CENTER CONTACT | BERYLLIUM COPPER | GOLD 1.3 OVER NICKEL 2     |
| OUTER CONTACT  | BERYLLIUM COPPER | GOLD 0.2 OVER NICKEL 2     |
| INSULATOR      | PTFE             |                            |
| GASKET         | -                |                            |
| OTHERS PARTS   | BRASS            | GOLD 0.2 OVER NICKEL 2     |
| -              | -                | -                          |
| -              | -                | -                          |

Issue : 0151 C

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



**RADIALL**®

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**PACKAGING**

| Standard | Unit       | Other      |
|----------|------------|------------|
| 100      | 'W' option | Contact us |

**SPECIFICATION****ELECTRICAL CHARACTERISTICS**

|                                 |              |                          |
|---------------------------------|--------------|--------------------------|
| Impedance                       | 50           | $\Omega$                 |
| Frequency                       | 0-4          | GHz                      |
| VSWR                            | 1.25 + 0.040 | x F(GHz) Maxi            |
| Insertion loss                  | 0.25         | $\sqrt{F}$ (GHz) dB Maxi |
| RF leakage                      | - ( 57       | - F(GHz)) dB Maxi        |
| Voltage rating                  | 335          | Veff Maxi                |
| Dielectric withstanding voltage | 1000         | Veff mini                |
| Insulation resistance           | 1000         | M $\Omega$ mini          |

**CABLE ASSEMBLY**

| Stripping | a    | b    | c    | d    | e    | f    |
|-----------|------|------|------|------|------|------|
| mm        | 2.20 | 5.40 | 15.5 | 0.00 | 13.3 | 0.00 |

Assembly instruction :

Recommended cable(s)

KX 22A

RG 188

RG 179

RG 187

RG 316

Cable retention

- pull off

110 N mini

- torque

3.2 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          | 70 N.cm  |
| A/F clamp nut      | 5.000 mm |

|             |                 |
|-------------|-----------------|
| Mating life | 500 Cycles mini |
| Weight      | 3.300 g         |

**TOOLING**

| Part Number  | Description   | Hexagon |
|--------------|---------------|---------|
| .            | .             | .       |
| R282.211.000 | CRIMPING TOOL | 3.25    |
| R282.235.003 | CRIMPING DIES | 3.25    |
| R282.293.000 | CRIMPING TOOL | -       |

**OTHERS CHARACTERISTICS**

-

**ENVIRONMENTAL**

|                       |              |
|-----------------------|--------------|
| Operating temperature | -65/+165 °C  |
| Hermetic seal         | NA Atm.cm3/s |
| Panel leakage         | NA           |

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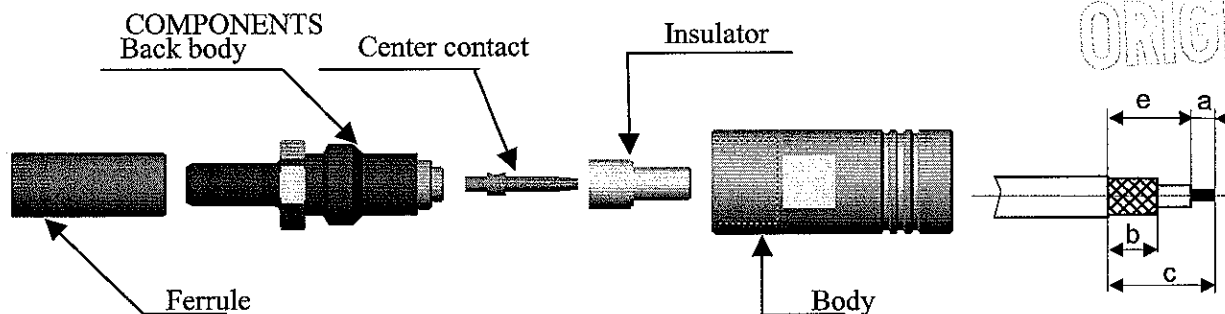
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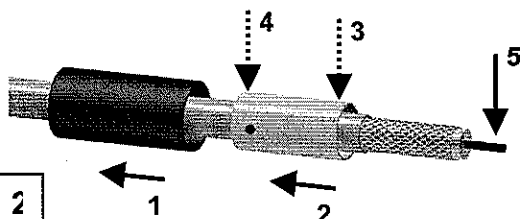
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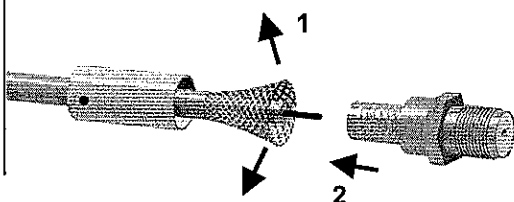
1

Slide the heatshrink onto the cable (in option).  
Slide the ferrule onto the cable.  
If solder : the hole in front.  
If crimping : the hole in back.  
Strip the cable.



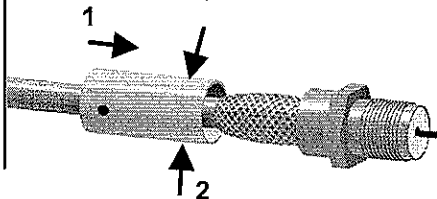
2

Fan the braid.  
Mount the cable in the back body.



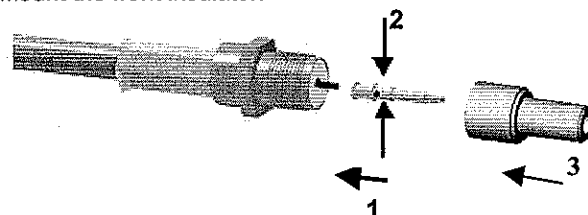
3

Slide ferrule over the braid.  
Crimp the ferrule with crimping tool ( see connecteur TDS ).



4

Mount the center contact inner conductor.  
Solder or crimping the contact with crimping tool  
( see connector TDS ).  
Mount the front insulator.



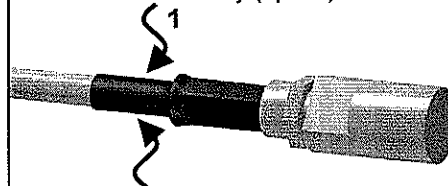
5

Mount the sub-assembly into the connector and  
screw the body  
Recommended coupling torque : 170N cm.



6

Place and shrink the heatshrink between 135° to  
250° at back to body (option).



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