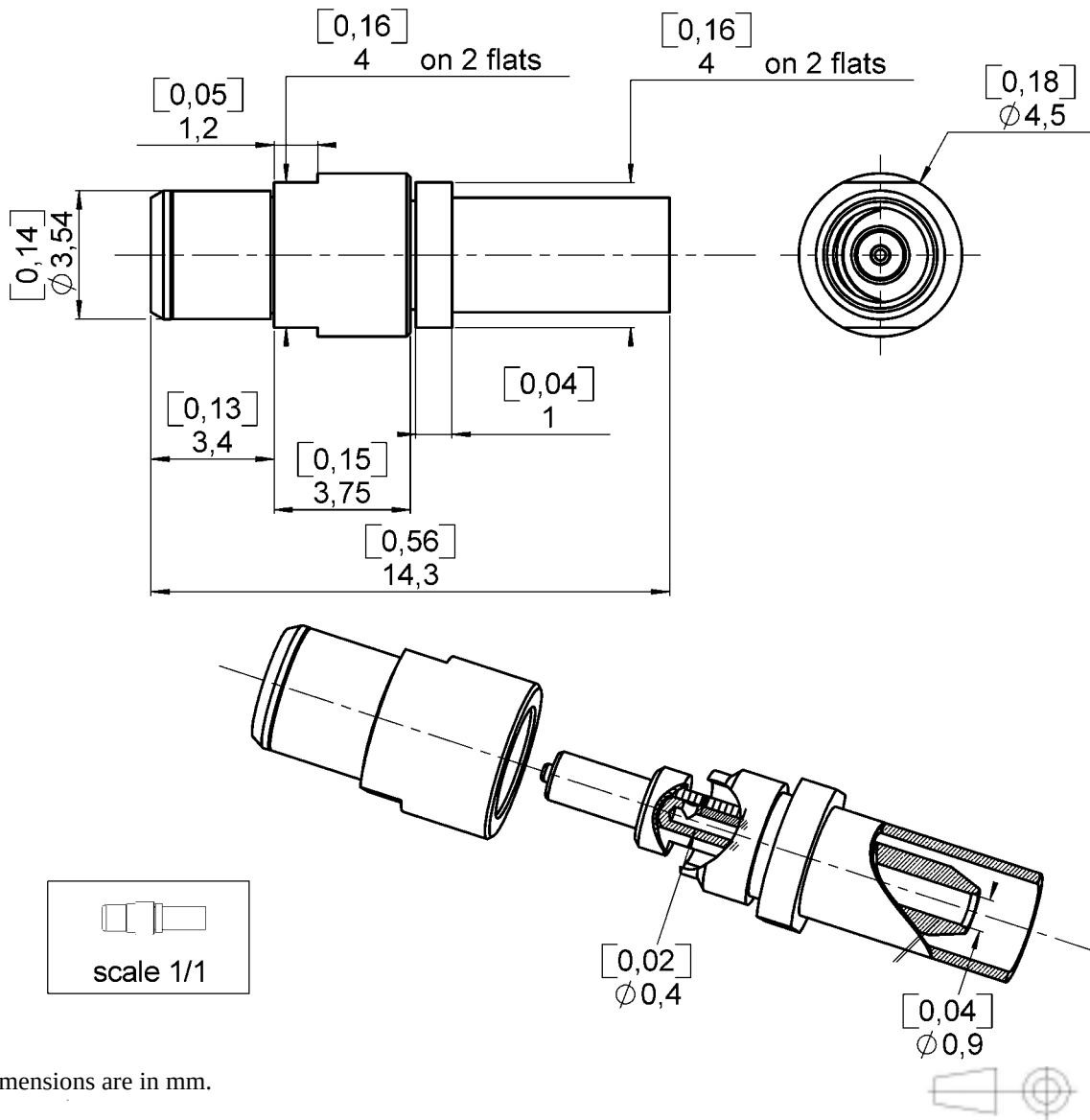


**STRAIGHT PLUG CRIMP TYPE**

**CABLE 2/50 S-PACK. 100**

**R199.006.203**

Series : MOEBIUS



All dimensions are in mm.

| COMPONENTS     | MATERIALS        | PLATING (µm) |
|----------------|------------------|--------------|
| BODY           | BRASS            | NPGR         |
| CENTER CONTACT | BRASS            | NPGR         |
| OUTER CONTACT  | BRASS            | NPGR         |
| INSULATOR      | PTFE             |              |
| GASKET         | -                |              |
| OTHERS PARTS   | BERYLLIUM COPPER | NPGR         |
| -              | -                | -            |
| -              | -                | -            |

Issue : 0739 A

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**STRAIGHT PLUG CRIMP TYPE****CABLE 2/50 S-PACK. 100****R199.006.203**

Series : MOEBIUS

**PACKAGING**

| Standard   | Unit              | Other             |
|------------|-------------------|-------------------|
| <b>100</b> | <b>'W' option</b> | <b>Contact us</b> |

**ELECTRICAL CHARACTERISTICS**

|                                 |                      |                                |
|---------------------------------|----------------------|--------------------------------|
| Impedance                       | <b>50</b>            | $\Omega$                       |
| Frequency                       | <b>0-6</b>           | GHz                            |
| VSWR                            | <b>1.05 + 0,0500</b> | x F(GHz) Maxi                  |
| Insertion loss                  |                      | $\sqrt{F}(\text{GHz})$ dB Maxi |
| RF leakage                      | - ( <b>NA</b> )      | - F(GHz)) dB Maxi              |
| Voltage rating                  | <b>170</b>           | Veff Maxi                      |
| Dielectric withstanding voltage | <b>500</b>           | Veff mini                      |
| Insulation resistance           | <b>5000</b>          | M $\Omega$ mini                |

**MECHANICAL CHARACTERISTICS**

|                            |           |           |
|----------------------------|-----------|-----------|
| Center contact retention   |           |           |
| Axial force – Mating end   | <b>10</b> | N mini    |
| Axial force – Opposite end | <b>10</b> | N mini    |
| Torque                     |           | N.cm mini |

|                    |               |      |
|--------------------|---------------|------|
| Recommended torque |               |      |
| Mating             |               | N.cm |
| Panel nut          |               | N.cm |
| Clamp nut          | <b>30</b>     | N.cm |
| A/F clamp nut      | <b>4,0000</b> | mm   |

|             |               |             |
|-------------|---------------|-------------|
| Mating life | <b>10000</b>  | Cycles mini |
| Weight      | <b>0,5700</b> | g           |

**ENVIRONMENTAL**

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

**SPECIFICATION****CABLE ASSEMBLY**

| Stripping | a    | b    | c    | d    | e    | f    |
|-----------|------|------|------|------|------|------|
| mm        | 2,70 | 4,50 | 9,20 | 0,00 | 6,50 | 0,00 |

Assembly instruction : **NA**

Recommended cable(s)

RG 196

RG 178

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 | <b>35</b> | N mini |
| - torque   |           | N.cm   |

**TOOLING**

| Part Number  | Description                  | Hexagon |
|--------------|------------------------------|---------|
| .            | .                            | .       |
| R282.211.000 | CRIMPING TOOL                | 2.67    |
| R282.235.003 | CRIMPING DIES                | 2.67    |
| R282.293.000 | CRIMPING TOOL<br>M22520/5-01 |         |

**OTHER CHARACTERISTICS**

Issue : 0739 A

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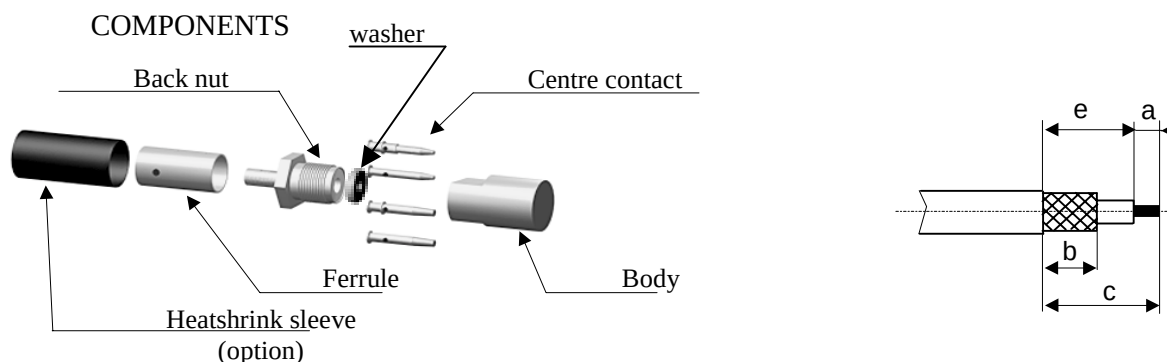


# STRAIGHT PLUG CRIMP TYPE

CABLE 2/50 S-PACK. 100

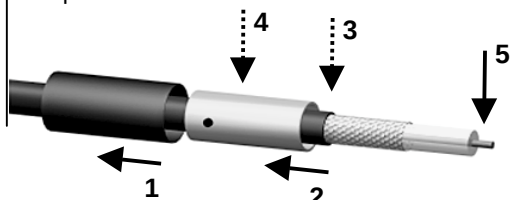
# R199.006.203

Series : MOEBIUS



1

Slide the heatshrink sleeve onto the cable (Option).  
Slide the ferrule onto the cable.  
Position the ferrule's hole at the front if soldering.  
Position the ferrule's hole at the back if crimping.  
Strip the cable.



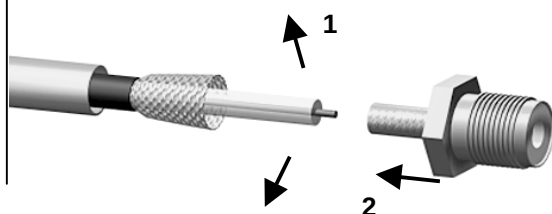
4

Slide the centre contact and the washer on until it bottoms against the insulator back nut.  
Solder the contact



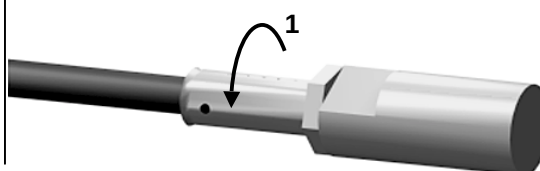
2

Fan the braid.  
Slide the cable into the back nut.



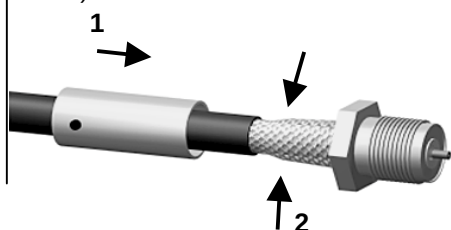
5

Screw the back nut into the connector body with the adapted wrench.  
Recommended coupling torque ( see connector TDS ).



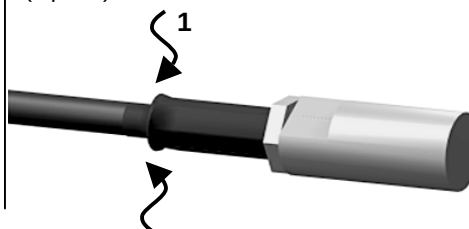
3

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



6

Slide the sleeve over the ferrule and heatshrink it in place (Option).



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