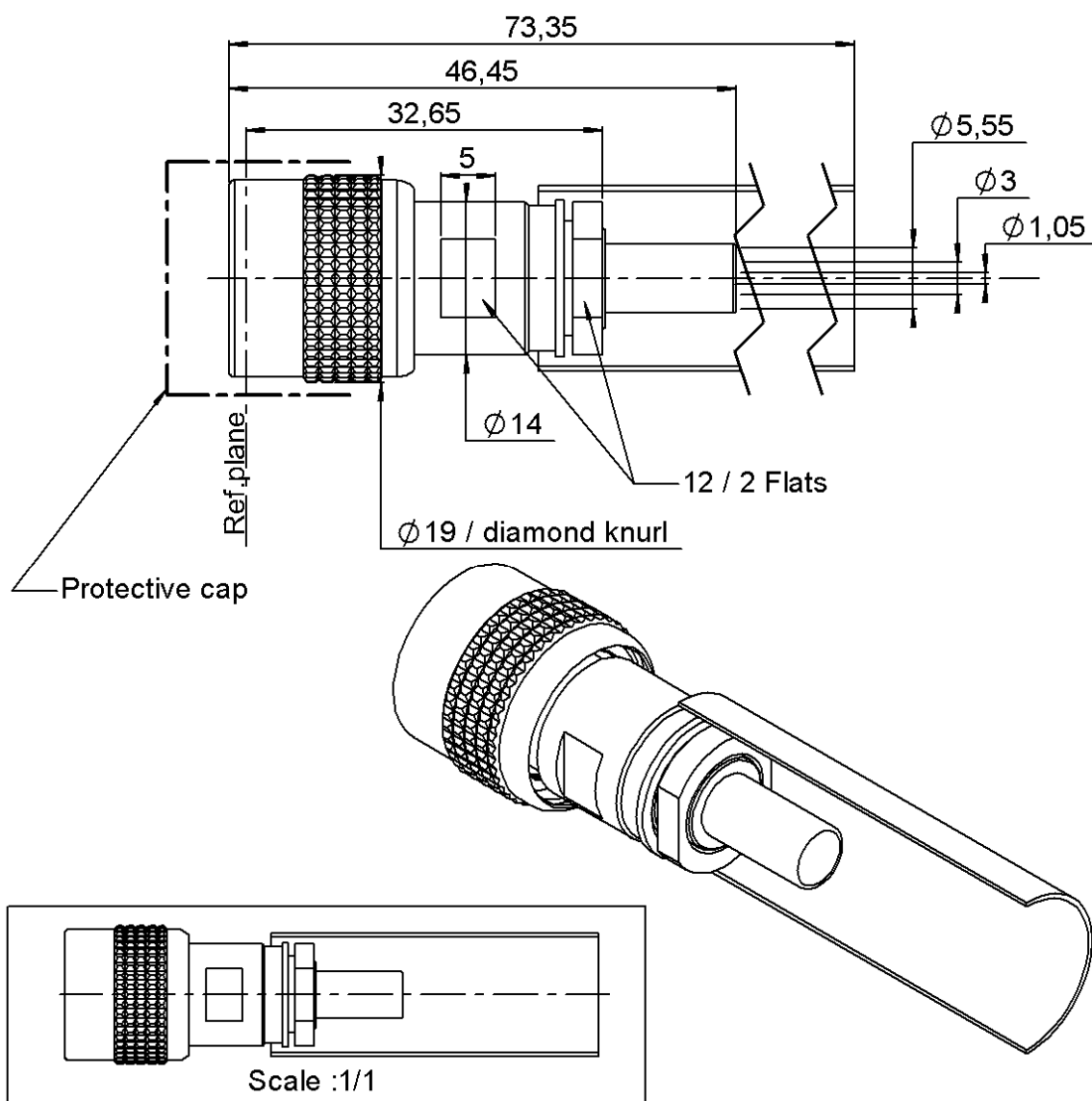


**STRAIGHT PLUG CRIMP TYPE**

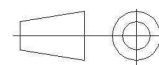
**R166.094.000**

**CABLE 5/50**

Series : C



All dimensions are in mm.



| COMPONENTS     | MATERIALS       | PLATINGS (µm)          |
|----------------|-----------------|------------------------|
| BODY           | BRASS           | NICKEL 2               |
| CENTER CONTACT | BRASS           | GOLD 0.5 OVER NICKEL 2 |
| OUTER CONTACT  | BRONZE          | NICKEL 2               |
| INSULATOR      | PTFE            |                        |
| GASKET         | SILICONE RUBBER |                        |
| OTHERS PARTS   | BRASS           | NICKEL 2               |
| -              | -               | -                      |
| -              | -               | -                      |

Issue : 1406 B

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**STRAIGHT PLUG CRIMP TYPE****CABLE 5/50****R166.094.000**

Series : C

**PACKAGING**

| Standard | Unit | Other             |
|----------|------|-------------------|
| <b>1</b> | -    | <b>Contact us</b> |

**ELECTRICAL CHARACTERISTICS**

|                                 |                     |                                |
|---------------------------------|---------------------|--------------------------------|
| Impedance                       | <b>50</b>           | $\Omega$                       |
| Frequency                       | <b>0-11</b>         | GHz                            |
| VSWR                            | <b>1.2 + 0,0460</b> | x F(GHz) Maxi                  |
| Insertion loss                  | <b>0.05</b>         | $\sqrt{F}(\text{GHz})$ dB Maxi |
| RF leakage                      | - ( <b>NA</b> )     | - F(GHz)) dB Maxi              |
| Voltage rating                  | <b>1000</b>         | Veff Maxi                      |
| Dielectric withstanding voltage | <b>1500</b>         | Veff mini                      |
| Insulation resistance           | <b>5000</b>         | M $\Omega$ mini                |

**MECHANICAL CHARACTERISTICS**

|                            |           |           |
|----------------------------|-----------|-----------|
| Center contact retention   |           |           |
| Axial force – Mating end   | <b>27</b> | N mini    |
| Axial force – Opposite end | <b>27</b> | N mini    |
| Torque                     | <b>NA</b> | N.cm mini |

|                    |                |      |
|--------------------|----------------|------|
| Recommended torque |                |      |
| Mating             | <b>NA</b>      | N.cm |
| Panel nut          | <b>NA</b>      | N.cm |
| Clamp nut          | <b>370</b>     | N.cm |
| A/F clamp nut      | <b>12,0000</b> | mm   |

|             |                |             |
|-------------|----------------|-------------|
| Mating life | <b>500</b>     | Cycles mini |
| Weight      | <b>38,8900</b> | g           |

**ENVIRONMENTAL**

|                       |                 |           |
|-----------------------|-----------------|-----------|
| Operating temperature | <b>-55/+155</b> | ° C       |
| Hermetic seal         | <b>NA</b>       | Atm.cm3/s |
| Panel leakage         | <b>NA</b>       |           |

**SPECIFICATION**

ASN-E0463 F01 - -

**CABLE ASSEMBLY**

| Stripping | a    | b    | c    | d    | e    | f    |
|-----------|------|------|------|------|------|------|
| mm        | 9,00 | 8,70 | 27,0 | 0,00 | 18,0 | 0,00 |

Assembly instruction :

Recommended cable(s)  
RG 400

Cable retention

|            |            |        |
|------------|------------|--------|
| - pull off | <b>180</b> | N mini |
| - torque   | <b>NA</b>  | N.cm   |

**TOOLING**

| Part Number | Description                                    | Hexagon         |
|-------------|------------------------------------------------|-----------------|
| R282293000  | CRIMPING TOOL<br>M22520/5-01                   | -               |
| R282235011  | CRIMPING DIES<br>M22520/5-11                   | 5.41            |
| 282291      | CRIMPING TOOL<br>M22520/1-01                   | 2X4<br>(poss 8) |
| 282997      | POSITIONER FOR<br>TOOL<br>282.291(M22520/1-13) | rouge           |

**OTHERS CHARACTERISTICS**

|              |               |
|--------------|---------------|
| R282.293.000 | (M22520/5-01) |
| R282.235.011 | (M22520/5-11) |
| 282.291      | (M22520/1-01) |
| 282.297      | (M22520/1-13) |

Issue : 1406 B

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**RADIALL** ®

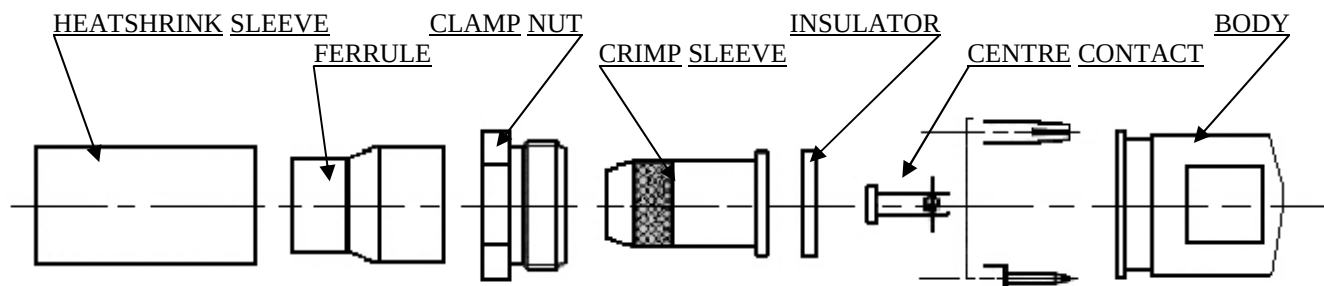
## STRAIGHT PLUG CRIMP TYPE

**R166.094.000**

CABLE 5/50

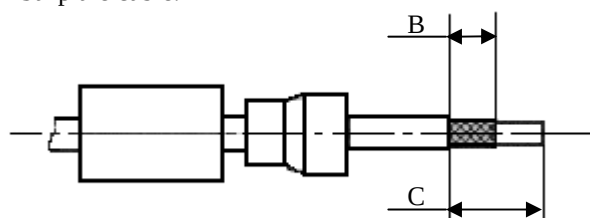
Series : C

## COMPONENTS



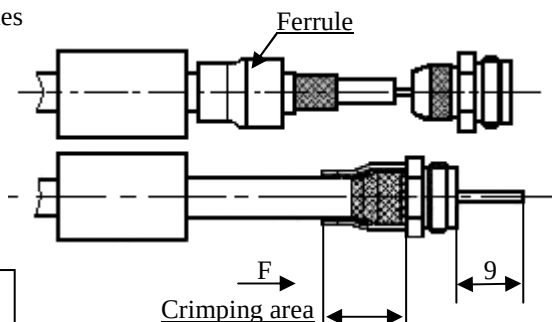
1

Slide onto the cable the heatshrink and the ferrule.  
Strip the cable.



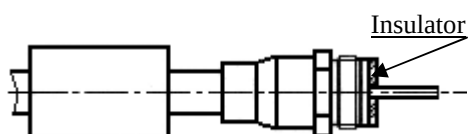
2

Slide the clamp nut onto the crimp sleeve.  
Slide sub-assembly under the braid.  
Slide ferrule over the braid against clamp nut. (In direction F)  
Crimp the ferrule with crimping tool + dies



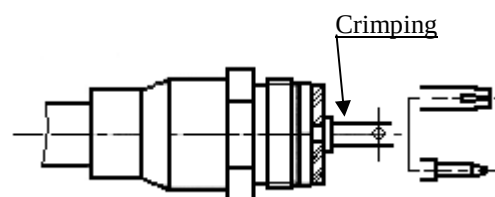
3

Cut the dielectric flush to crimp sleeve.  
Mount insulator against crimp sleeve.



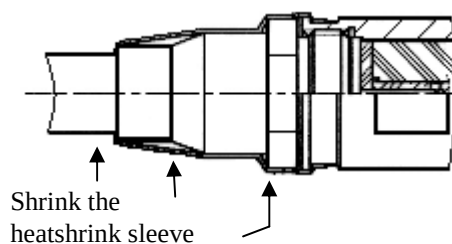
4

Slide the centre contact onto the cable inner conductor against insulator.  
Crimp centre contact with the crimping tool and the positioner.



5

Screw sub-assembly into the connector body.  
(recommended coupling see the connector TDS)  
Slide sleeve over ferrule and heatshrink sleeve in the place.



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