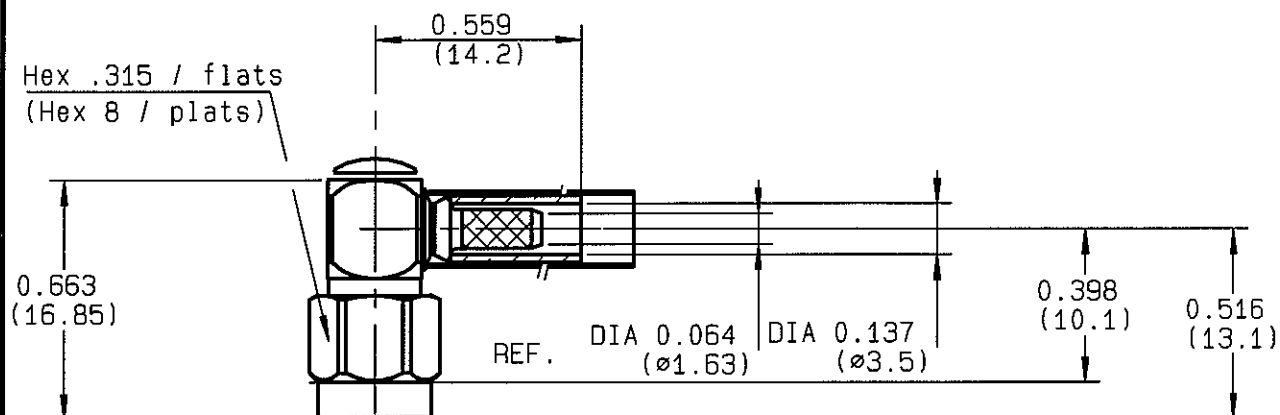


**RIGHT ANGLE PLUG CRIMP TYPE**  
**CABLE 2.6/50 D**
**R125.174.000**  
**SERIES SMA**


|                                 |                                       |
|---------------------------------|---------------------------------------|
| NOMINAL IMPEDANCE               | <b>50</b> $\Omega$                    |
| FREQUENCY RANGE                 | <b>0-12.4</b> GHz                     |
| TEMPERATURE RATING              | <b>-65/+165</b> °C                    |
| V.S.W.R                         | <b>1.15</b> + <b>.03</b> x F(GHz)Maxi |
| RF INSERTION LOSS               | <b>0.15</b> $\sqrt{F}$ (GHz) dB Maxi  |
| VOLTAGE RATING                  | <b>250</b> Veff Maxi                  |
| DIELECTRIC WITHSTANDING VOLTAGE | <b>750</b> Veff Mini                  |
| INSULATION RESISTANCE           | <b>5000</b> M $\Omega$ Mini           |
| HERMETIC SEAL                   | <b>NA</b> Atm.cm <sup>3</sup> /s      |
| LEAKAGE (pressurized only)      | <b>NA</b>                             |
| MECHANICAL DURABILITY           | <b>500</b> Cycles                     |
| WEIGHT                          | gr                                    |
| SPECIFICATION                   |                                       |

**CABLES : K02252D**  
**RD 316**

## OTHERS CHARACTERISTICS

|                            |                      |
|----------------------------|----------------------|
| CABLE RETENTION            | <b>110</b> N Mini    |
| CENTER CONTACT RETENTION   |                      |
| Axial force - mating end   | <b>27</b> N Mini     |
| Axial force - opposite end | <b>27</b> N Mini     |
| Torque                     | <b>2.8</b> cm.N Mini |
| RECOMMENDED TORQUES        |                      |
| Mating                     | <b>100</b> cm.N      |
| Panel nut                  | <b>NA</b> cm.N       |
| Clamp nut                  | <b>NA</b> cm.N       |

| CONNECTOR PARTS | MATERIALS       | FINISH (all values are given in micrometers) |
|-----------------|-----------------|----------------------------------------------|
| BODY            | STAINLESS STEEL | GOLD 0.5 OVER NICKEL 2                       |
| OUTER CONTACT   |                 |                                              |
| CENTER CONTACT  | BRASS           | GOLD 1.3 OVER NICKEL 2                       |
| INSULATOR       | PTFE            | -                                            |
| GASKET          | SILICONE RUBBER | -                                            |
| OTHERS PIECES   | STAINLESS STEEL | GOLD 0.5 OVER NICKEL 2                       |

**ISSUE**  
**0739 C00**
**CREATION DATE**  
**04/02/1991**
**FILE PART-NUMBER**  
**89-1207-136**

**RADIALL®**

BAFFERT JM

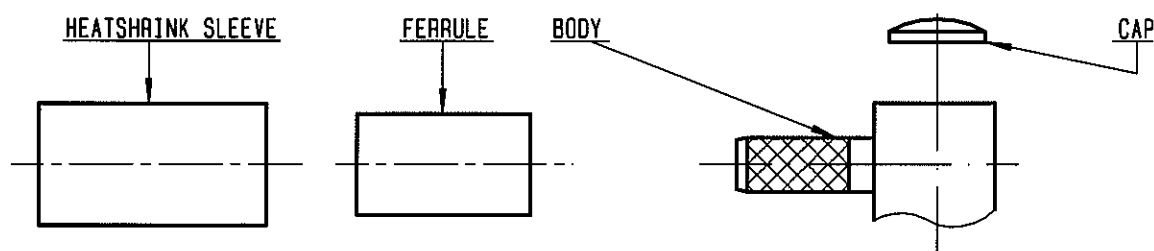
 The information given here is subject to change without notice.  
 Design changes may be in order to improve the product .

*Connect to the future*



**R125.174.000**

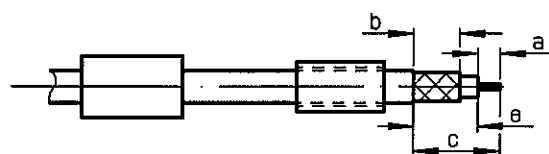
ISSUE 0739C00 SERIES SMA



①

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

-  
-

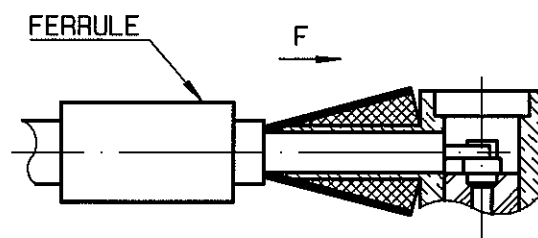


| Stripping | a    | b     | c     | d | e     |
|-----------|------|-------|-------|---|-------|
| inch      | 0.11 | 0.276 | 0.504 | 0 | 0.394 |
| mm        | 2.8  | 7     | 12.8  |   | 10    |

②

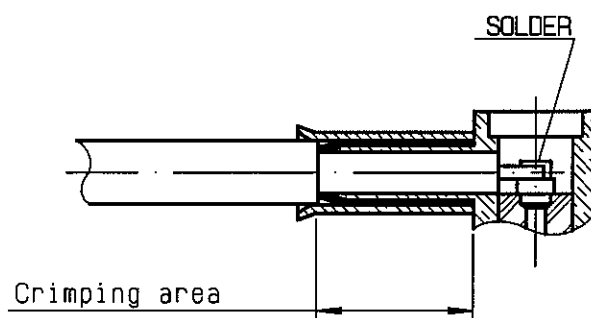
Fan the braid .  
Push connector body under the braid .  
Slide ferrule over braid  
( in direction F )

-  
-



③

Crimp the ferrule with crimping tool  
R282 271 000 ( Hex. : 0.151 ) or  
crimping tool R 282 293 000 ( M22520/5-01 )  
+ dies R 282 235 037 ( M22520/5-37 )  
Solder inner conductor .



④

Place the cap into body.  
Press cap flush or slightly below surface  
of body assembly .  
Slide sleeve over ferrule and heatshrink  
in place .

-  
-  
-

