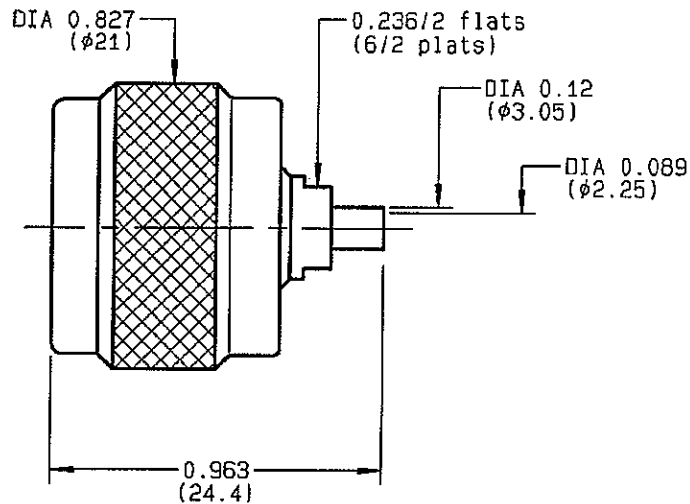


**STRAIGHT PLUG SOLDER TYPE**  
**CABLE .085**
**R161.050.300**  
**SERIES N**


|                                 |                                       |
|---------------------------------|---------------------------------------|
| NOMINAL IMPEDANCE               | <b>50</b> $\Omega$                    |
| FREQUENCY RANGE                 | <b>0-11</b> GHz                       |
| TEMPERATURE RATING              | <b>-55/+105</b> °C                    |
| V.S.W.R                         | <b>1.25 +</b> x F(GHz)Maxi            |
| RF INSERTION LOSS               | <b>0.048</b> $\sqrt{F}$ (GHz) dB Maxi |
| VOLTAGE RATING                  | <b>335</b> Veff Maxi                  |
| DIELECTRIC WITHSTANDING VOLTAGE | <b>1000</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                          | <b>25.56</b> gr                       |
| SPECIFICATION                   |                                       |

**CABLES : KS 1**  
**RG 405**

## OTHERS CHARACTERISTICS

|                            |                     |
|----------------------------|---------------------|
| CABLE RETENTION            | <b>200</b> N Mini   |
| CENTER CONTACT RETENTION   |                     |
| Axial force - mating end   | <b>NA</b> N Mini    |
| Axial force - opposite end | <b>NA</b> N Mini    |
| Torque                     | <b>NA</b> cm.N Mini |
| RECOMMENDED TORQUES        |                     |
| Mating                     | <b>130</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            | BRASS           | GOLD 0.2 OVER NICKEL 2                       |
| OUTER CONTACT   |                 |                                              |
| CENTER CONTACT  | BRASS           | GOLD 0.5 OVER NICKEL 2                       |
| INSULATOR       | PTFE            | -                                            |
| GASKET          | SILICONE RUBBER | -                                            |
| OTHERS PIECES   | BRASS           | BBR 2                                        |

**ISSUE**  
**0630 B**
**CREATION DATE**  
**14/01/1997**
**FILE PART-NUMBER**  
**EPC 96-07**

**RADIALL®**

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

*Connect to the future*

# ORIGINAL

## TECHNICAL DATA

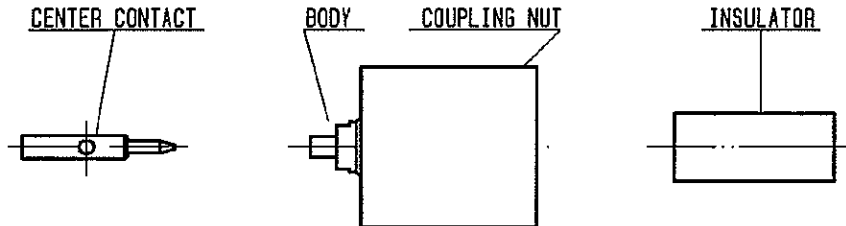
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### R161.050.300

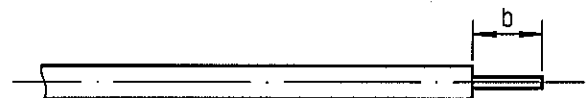
ISSUE 0630 B

SERIES N



①

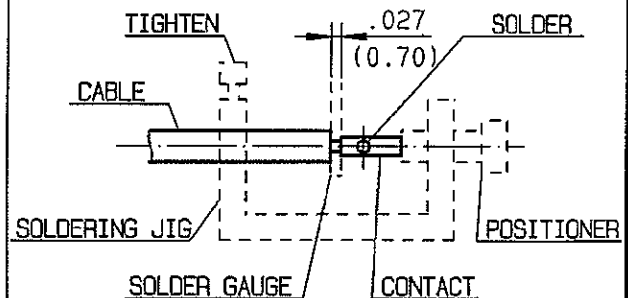
Take the tool kit : R 282 125 010 .  
Strip the dielectric of the cable .  
Stripping tool cable : R 282 051 .  
Trimmer : R 282 063  
Clean the cable .  
-



| Stripping | a | b     | c | d | e |
|-----------|---|-------|---|---|---|
| inch      | 0 | 0.125 | 0 | 0 | 0 |
| mm        |   | 3.17  |   |   |   |

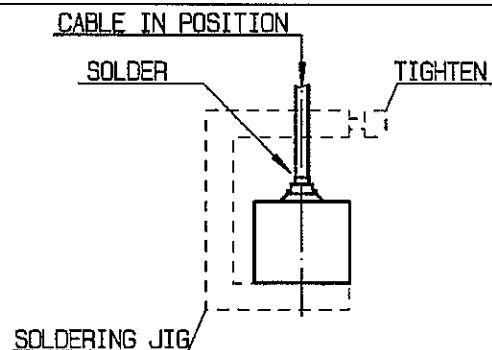
②

Screw the positioner R 282 744 261 onto the soldering jig R 282 740 030 .  
Slide contact into positioner .  
Insert solder gauge R 282 862 090 between contact and cable .  
Tighten and solder the contact .



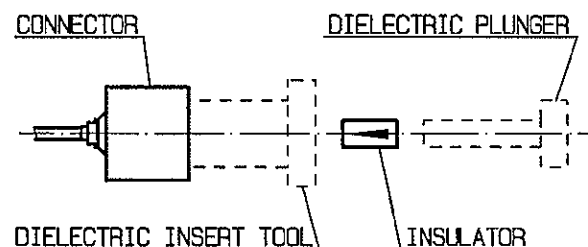
③

After cooling remove cable assembly from the jig .  
Slide cable into the connector until it bottoms againsts the body .  
Tighten .  
Put 3 rings of solder around the cable and solder .



○

After cooling remove cable assembly from the jig .  
Screw female dielectric insert tool onto connector and insert insulator with the dielectric plunger (R 282 730 161) .



QUERIN

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