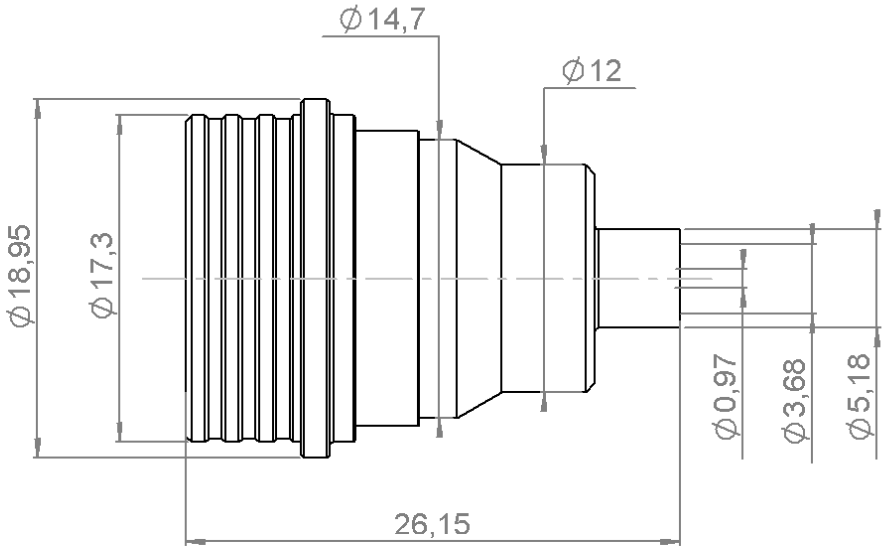
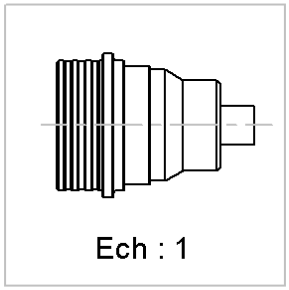
STRAIGHT PLUG SOLDER TYPE

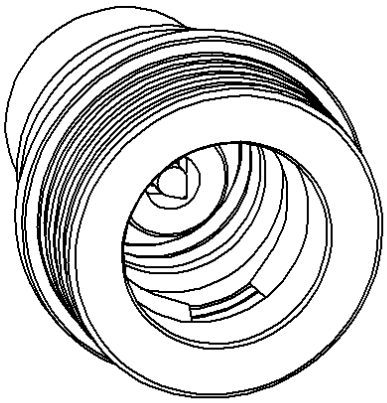
CABLE .141

R164.051.002

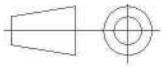
Series : **QN**







All dimensions are in mm.



COMPONENTS	MATERIALS	PLATING (µm)
BODY	**BRASS**	**BBR 0.5 OVER SILVER 3**
CENTER CONTACT	**BERYLLIUM COPPER**	**GOLD 1.3 OVER COPPER 2.5**
OUTER CONTACT	**BERYLLIUM COPPER**	**NPGR**
INSULATOR	**PTFE**	
GASKET	**EPDM**	
OTHERS PARTS	**BRASS**	**GOLD 1 OVER COPPER 2**
-	-	-
-	-	-

Issue : 1308 E

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

RADIALL®

STRAIGHT PLUG SOLDER TYPE

CABLE .141

R164.051.002

Series : **QN**

PACKAGING

Standard	Unit	Other
50	**'W' option**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance		**50**	Ω
Frequency		***0-6**	GHz
VSWR	**1.05** +	**0,0250**	x F(GHz) Maxi
Insertion loss		**0.048**	√F(GHz) dB Maxi
RF leakage	- (	****90**	- F(GHz)) dB Maxi
Voltage rating		**350**	Veff Maxi
Dielectric withstanding voltage		**1000**	Veff mini
Insulation resistance		**5000**	MΩ mini

MECHANICAL CHARACTERISTICS

Center contact retention

Axial force – Mating end	**27**	N mini
Axial force – Opposite end	**27**	N mini
Torque	**NA**	N.cm mini

Recommended torque

Mating	**NA**	N.cm
Panel nut	**NA**	N.cm
Clamp nut	**NA**	N.cm
A/F clamp nut	**0,0000**	mm

Mating life	**100**	Cycles mini
Weight	**18,1040**	g

ENVIRONMENTAL

Operating temperature	**-55/+125°**	° C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage		

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	3,17	0,00	0,00	0,00	0,00	0,00

Assembly instruction :

Recommended cable(s)
RG 402
KS 2
HC80000-3
BELN YQ43858

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	**270**	N mini
- torque	**NA**	N.cm

TOOLING

Part Number	Description	Hexagon
.	.	.
R282.053.000	STRIPPING TOOL	
R282.067.000	POINTER GAUGE	

OTHER CHARACTERISTICS

* Usable 0-11GHz
** RF Leakage: -80dBm 3<F<6GHz
*** PIM3 : -112dBm (2 x 20W at 1.8GHz)

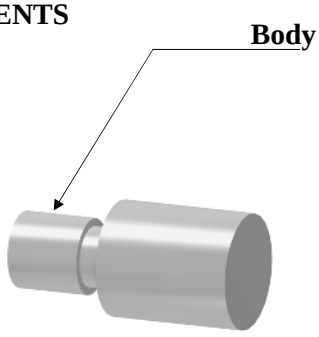
STRAIGHT PLUG SOLDER TYPE

CABLE .141

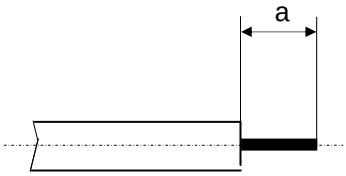
R164.051.002

Series : **QN**

COMPONENTS



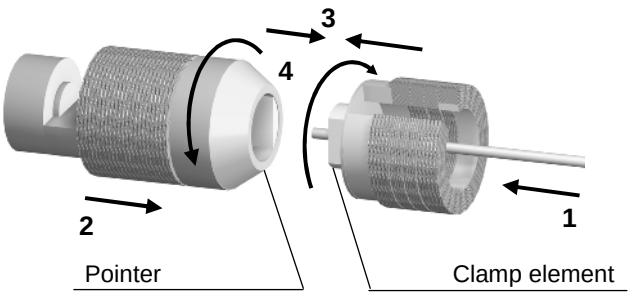
STRIPPING DIMENSIONS



We recommend a thermal preconditionning of the cable

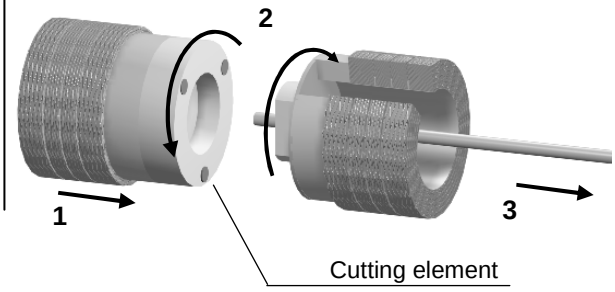
1

Insert the cable into the clamp element.
Present the pointer in front of the clamp element.
Push the cable until it stops, while holding the clamp element pushed on the hollow part of the pointer.
Turn the clamp element until the release of the pointer.



2

Present the cutting element in front of the clamp element.
Push and turn both elements , back part opposite to the front part.Once they reach the stop, pull without revolving.



3

Position the connector onto the Assembly jig.
Slide the cable into the connector until it bottoms against the body
tighten.
Put three rings of solder around the cable and solder.
After cooling, remove the assembly from the jig.