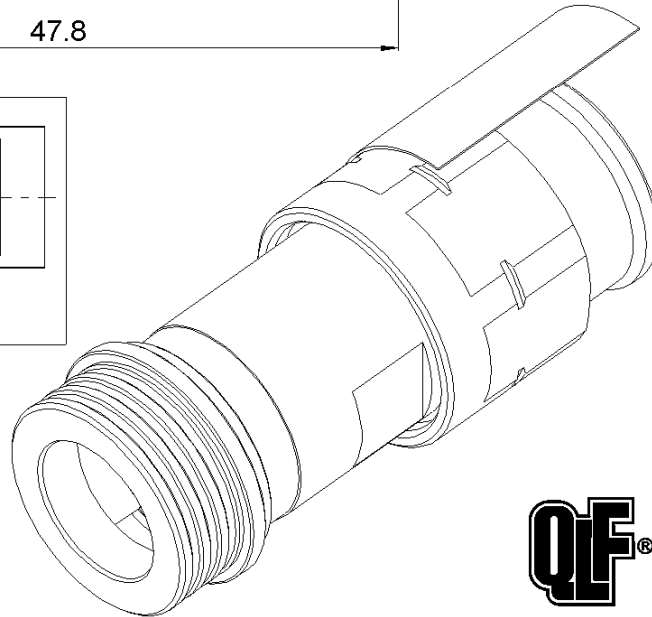
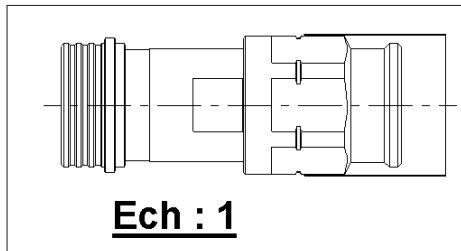


STRAIGHT PLUG EZ-FIT
CABLE 1/2" HELICAL
R164.037.000

Series : QN


QF®

All dimensions are in mm.

COMPONENTS	MATERIALS	PLATING (μm)
BODY	BRASS	BBR OVER SILVER
CENTER CONTACT	BERYLLIUM COPPER	SILVER PASSIVATED OVER COPPER
OUTER CONTACT	BERYLLIUM COPPER	NPGR
INSULATOR	PTFE	
GASKET	EPDM	
OTHERS PARTS	BRASS	BBR
-	-	-
-	-	-

Issue : 1308 C

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

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Radiall 

STRAIGHT PLUG EZ-FIT**CABLE 1/2" HELICAL****R164.037.000**

Series : QN

PACKAGING

Standard	Unit	Other
1	-	Contact us

SPECIFICATION**ELECTRICAL CHARACTERISTICS**

Impedance	50	Ω
Frequency	*0-6	GHz
VSWR	1.05 + 0.0250	x F(GHz) Maxi
Insertion loss	0.048	$\sqrt{F}(\text{GHz})$ dB Maxi
RF leakage	- (** 90	- F(GHz)) dB Maxi
Voltage rating	1400	Veff Maxi
Dielectric withstanding voltage	2500	Veff mini
Insulation resistance	5000	M Ω mini

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	5.50	5.00	11.5	0.00	0.00	0.00

Assembly instruction : **NA**

Recommended cable(s)

HCF 1/2" Cu2Y

FSJ4RN-50B

FSJ4-50B - 1/2"

FSJ4P-50B-4 - 1/2"

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	500	N mini
- torque	NA	N.cm

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	68	N mini
Axial force – Opposite end	68	N mini
Torque	NA	N.cm mini

Recommended torque		
Mating	NA	N.cm
Panel nut	NA	N.cm
Clamp nut	950	N.cm
A/F clamp nut	18.0000	mm

Mating life	100	Cycles mini
Weight	47.9000	g

TOOLING

Part Number	Description	Hexagon
R282.010.050	STRIPPING TOOL	
R282.303.220	TORQUE SPANNER .708 in 84.075 in.lb	

ENVIRONMENTAL

Operating temperature	-55/+125	$^{\circ}$ C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

OTHER CHARACTERISTICS

* Usable 0-11GHz

**RF Leakage: -80dB min 3<F<6GHz

***PIM 3 : -112dbm (2 x 20W at 1.8GHz)

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STRAIGHT PLUG EZ-FIT

CABLE 1/2" HELICAL

R164.037.000

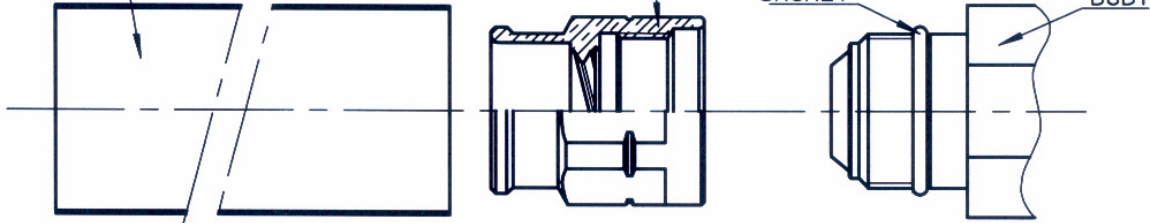
Series : QN

HEATSHRINK SLEEVE

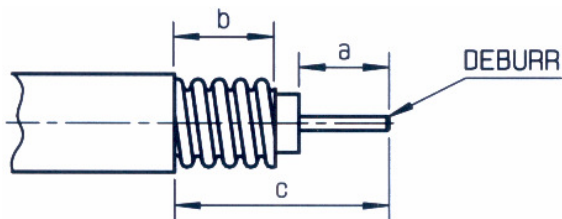
BRAID CLAMP NUT

GASKET

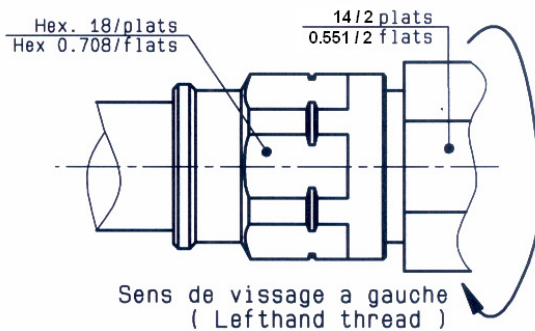
BODY


1

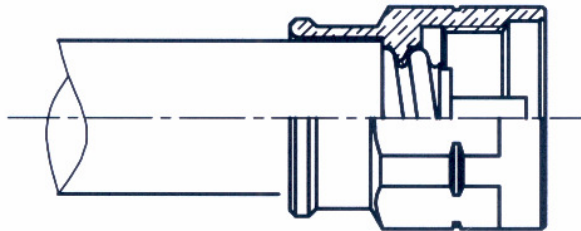
- Strip the cable
- Do not damage the outer conductor.
- Deburr cable inner conductor.


3

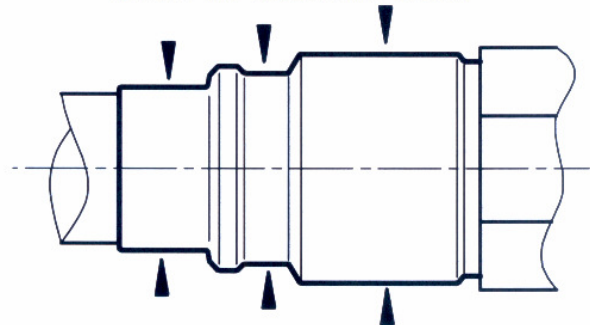
- Screw the connector onto the assembly.
- WARNING : Screw the connector on the braid clamp nut turning left (left-hand thread) so that the copper


2

- Slide the heatshrink sleeve onto the cable.
- Screw manually the braid clamp nut onto cable outer conductor until stop.


4

Shrink the heatshrink sleeve


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