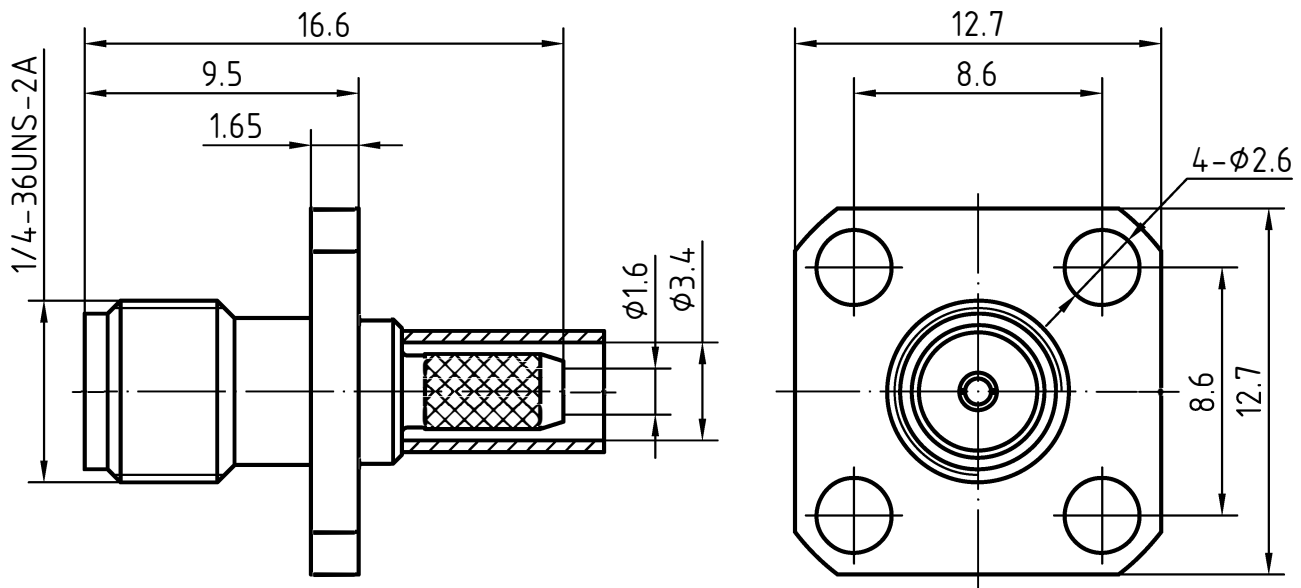
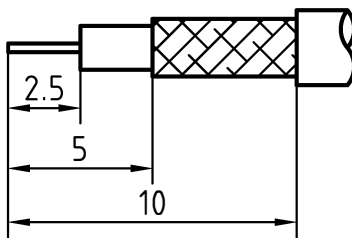


DRAWING



CABLE(RG316D)



3	1	Body Brass/Gold plated			Gold 0.2um over Nickel 2.0um	
2	1	Insulator PTFE				
1	1	Center pin Beryllium copper/Gold plated			Gold 0.5um over Nickel 2.0um	
Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by Xio Xang		Checked by Jing Lo	Approved by JinG Chan	File name SMA-112140A	Date 09.02.02	Scale 5 : 1

RF CONNEC

SMA_112140A

Edition 1.0	Sheet 1/1
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CHARACTERISTICS

DESCRIPTION:

SMA Type female FL connector

Electrical data:

<i>Impedance:</i>	50 ohm
<i>Frequency range:</i>	DC to 12.4 GHz
<i>VSWR:</i>	$\leq 1.06 + 0.04 \times f \text{ [GHz]}$
<i>Insertion loss:</i>	$\leq 0.15 \times \sqrt{f \text{ [GHz]}} \text{ dB}$
<i>Insulation resistance:</i>	$\geq 5000 \text{ M}\Omega$
<i>Test voltage:</i>	1000 V rms
<i>Working voltage:</i>	480 V rms
<i>Contact resistance:</i>	
1). Centre contact:	3.0 m Ω
2). Outer conductor:	2.5 m Ω
<i>Power handling (at 20 ° C, sea level, VSWR 1.0):</i>	$\leq 200 \text{ W @ 2 GHz}$
<i>RF-leakage:</i>	$\geq 100 \text{ dB up to 1 GHz}$

Environmental data:

<i>Temperature rating:</i>	-65 ° C to +165 ° C
<i>2002/95/EC (RoHS):</i>	Compliant

Mechanical data:

<i>Mating cycles:</i>	≥ 500
<i>Coupling nut retention:</i>	$\geq 270 \text{ N}$
<i>Center contact captivation:</i>	$\geq 27 \text{ N(axial)}$
<i>Coupling test torque:</i>	$\leq 1.7 \text{ Nm}$
<i>Recommended torque:</i>	0.8 Nm to 1.1 Nm

Suitable cables:

RG316D