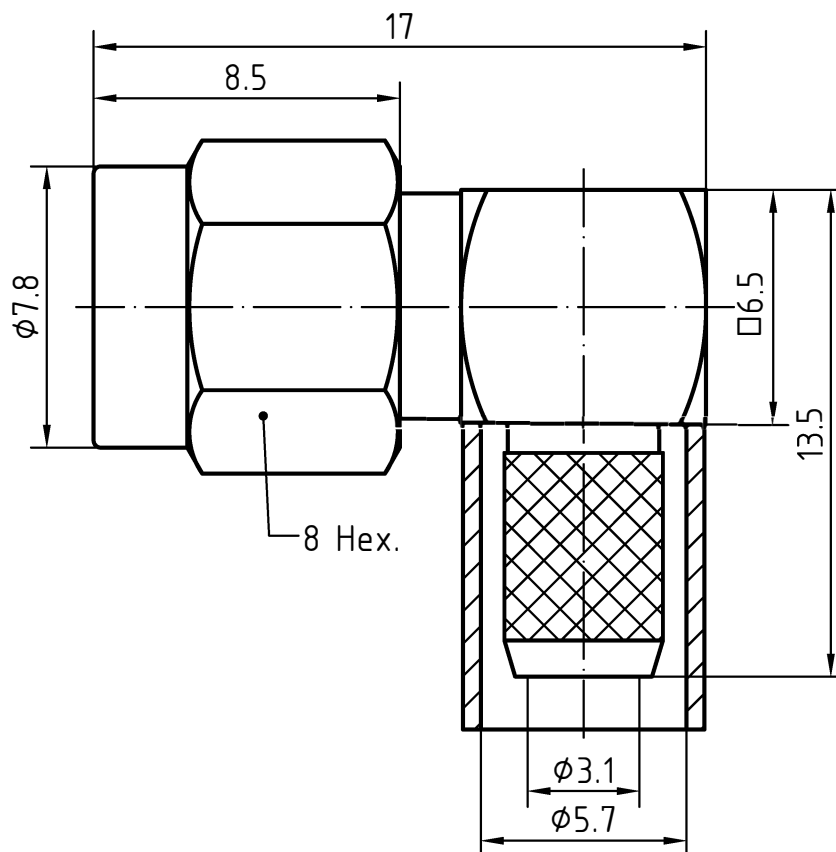
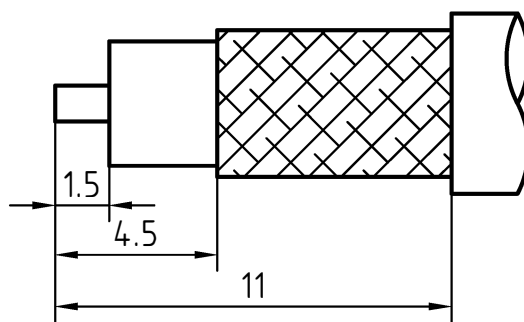




CABLE(RG142B/U, RG223/U, RG400/U)



6	1	Crimp ferrule	Copper alloy/Nickel	
5	1	O ring	Silicon rubber	
4	1	Coupling nut	Brass/Gold plated	Gold 0.2um over Nickel 2.0um
3	1	Body	Brass/Gold plated	Gold 0.2um over Nickel 2.0um
2	1	Insulator	PFTE	
1	1	Center contact	Brass/Gold plated	Gold 0.5um over Nickel 2.0um
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by
Xio XangChecked by
Jing loApproved by
Jing ChanFile name
SMA-111200BDate
03.04.24Scale
6:1
RF CONNEC

SMA-111200B

Edition
0Sheet
1/1

CHARACTERISTICS

DESCRIPTION: SMA Type R/A male connector

Electrical data:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 12.4 GHz</i>
<i>VSWR:</i>	<i>$\leq 1.15 + 0.04 \times f \text{ [GHz]}$</i>
<i>Insertion loss:</i>	<i>$\leq 0.25 \times \sqrt{f \text{ [GHz]}} \text{ dB}$</i>
<i>Insulation resistance:</i>	<i>$\geq 5000 \text{ M}\Omega$</i>
<i>Test voltage:</i>	<i>1000 V rms</i>
<i>Working voltage:</i>	<i>500 V rms</i>
<i>Contact resistance:</i>	
1). Centre contact:	<i>3.0 mΩ</i>
2). Outer conductor:	<i>2.0 mΩ</i>
<i>Power handling</i> (at 20 °C, sea level, VSWR 1.0)	<i>$\leq 200 \text{ W @ 2 GHz;}$</i>
<i>RF-leakage</i>	<i>$\geq 100 \text{ dB up to 1 GHz}$</i>

- Limitations are possible due to the used cable type -

Environmental data:

<i>Temperature rating:</i>	<i>-55 ° C to +155 ° C</i>
<i>2002/95/EC (RoHS):</i>	<i>Compliant</i>

Mechanical data:

<i>Mating cycles:</i>	<i>≥ 500</i>
<i>Coupling nut retention</i>	<i>$\geq 27 \text{ N}$</i>
<i>Coupling test torque:</i>	<i>$\leq 1.1 \text{ Nm}$</i>
<i>Recommended torque:</i>	<i>0.46 Nm to 0.69 Nm</i>

Suitable cables:

RG5 8C/U, RG142B/U, RG22 3/U, RG400/U