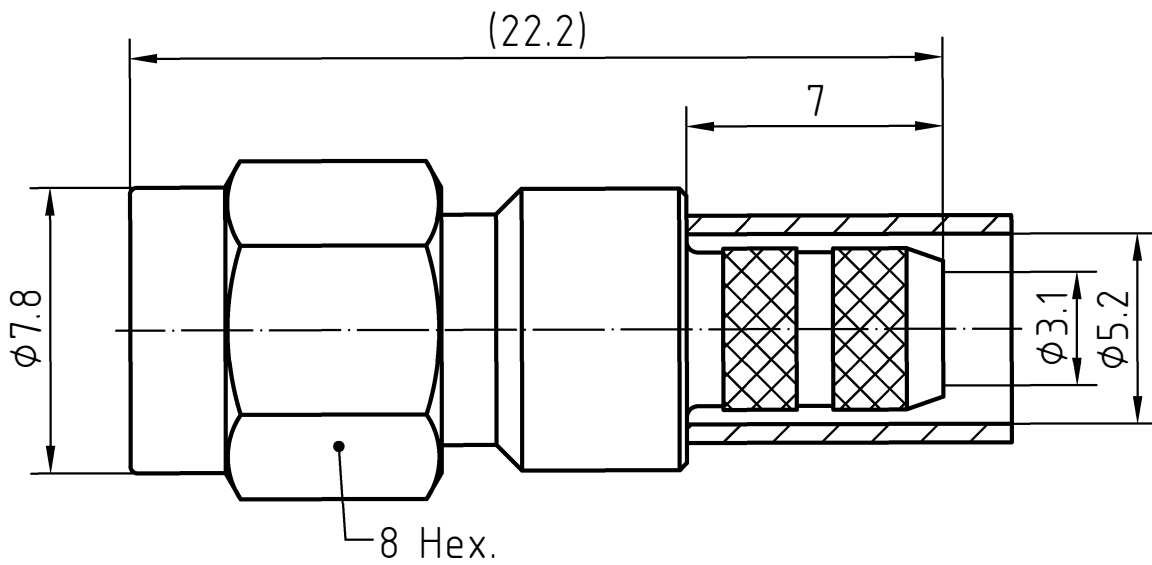


A

A



B

B

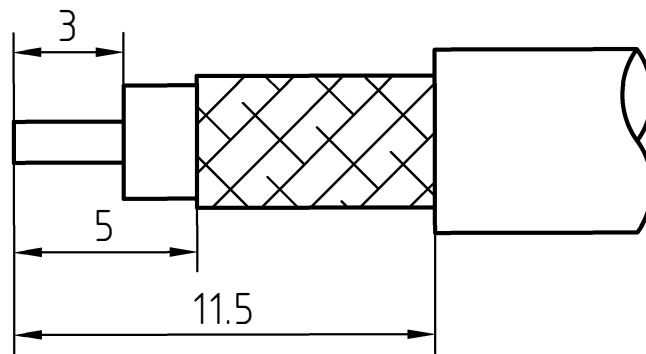
C

C

CABLE(LMR200)

D

D



E

E

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

F

F

Designed by Xio xang	Checked by Jing lo	Approved by - date Jing chan	File name SMA-111100G	Date 04.05.23	Scale 4:1
			SMA-111100G		
			Edition 2.0	Sheet 1/1	

# CHARACTERISTICS

DESCRIPTION: SMA Type male connector

## Electrical data:

<i>Impedance:</i>	50 ohm
<i>Frequency range:</i>	DC to 12.4 GHz
<i>VSWR:</i>	$\leq 1.08 + 0.02 \times f \text{ [GHz]}$
<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>	500 V rms
<i>Contact resistance:</i>	
1). Centre contact:	3.0 m $\Omega$
2). Outer conductor:	2.0 m $\Omega$
<i>Power handling</i> (at 20 °C, sea level, V	$\leq 200 \text{ W @ 2 GHz};$
<i>RF-leakage</i>	$\geq 100 \text{ dB up to 1 GHz}$
- Limitations are possible due to	type -

## Environmental data:

<i>Temperature rating:</i>	-55 ° C to +165 ° C
2002/95/EC (RoHS):	Compliant

## Mechanical data:

<i>Mating cycles:</i>	$\geq 500$
<i>Coupling nut retention</i>	$\geq 270 \text{ N}$
<i>Coupling test torque:</i>	$\leq 1.1 \text{ Nm}$
<i>Recommended torque:</i>	0.46 Nm to 0.69 Nm
<u><i>Suitable cables:</i></u>	LMR200