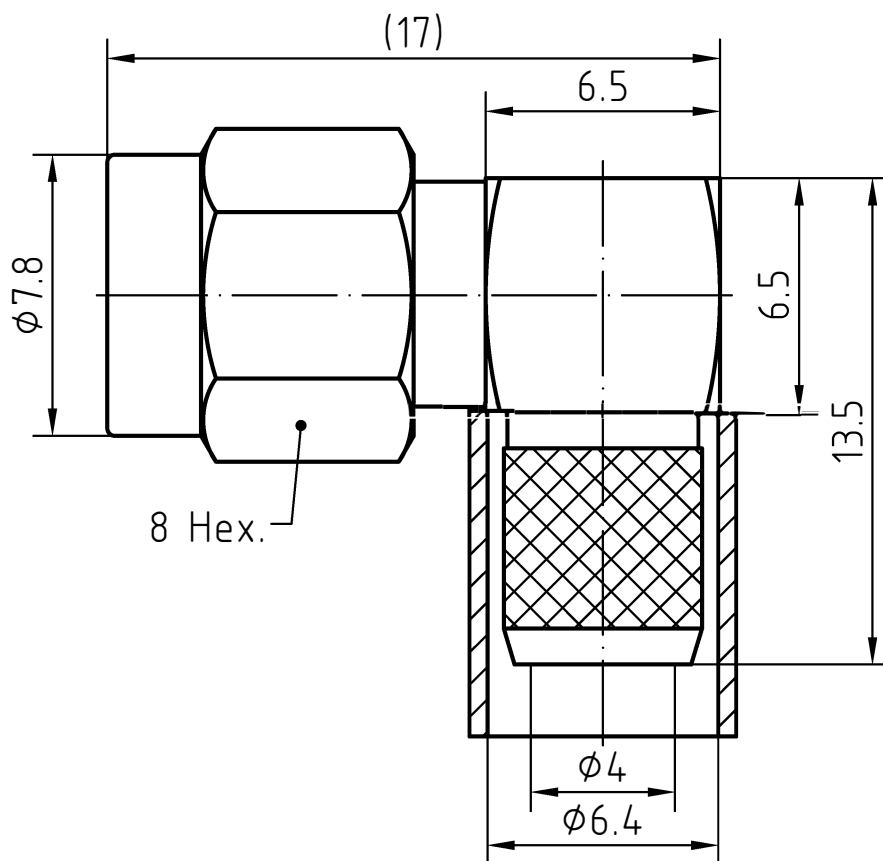
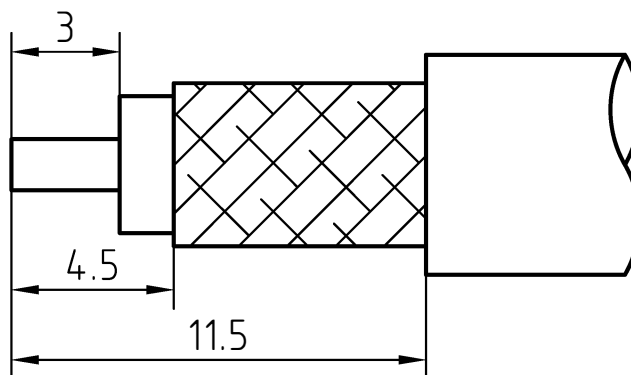


DRAWING



CABLE(LMR240,RG8X)



6	1	Crimp ferrule	Copper alloy/Nickel plated
5	1	O ring	Silicon rubber
4	1	Coupling nut	Brass/Gold plated
3	1	Body	Brass/Gold plated
2	1	Insulator	PFTE
1	1	Center contact	Brass/Gold plated

Itemref	Quantity	Title/Name, designation, material, dimension etc	Article No./Reference
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Designed by
xio Xang

Checked by
Jing Lo

Approved by
Jing Chan

File name
SMA-111200L

Date
12.11.26

Scale
4 : 1

RF CONNEC

SMA-111200L

Edition
2.0

Sheet
1/1

CHARACTERISTICS

DESCRIPTION: SMA Type male R/A connector

Electrical data:

Impedance:	50 ohm
Frequency range:	DC to 12.4 GHz
VSWR:	$\leq 1.15 + 0.04 \times f \text{ [GHz]}$
Insertion loss:	$\leq 0.25 \times \sqrt{f \text{ [GHz]}} \text{ dB}$
Insulation resistance:	$\geq 5000 \text{ M}\Omega$
Test voltage:	1000 V rms
Working voltage:	480 V rms
Contact resistance:	
1). Centre contact:	3.0 m Ω
2). Outer conductor:	2.0 m Ω
Power handling (at 20 °C, sea level, VSWR 1.0)	$\leq 200 \text{ W @ 2 GHz;}$
RF-leakage	$\geq 100 \text{ dB up to 1 GHz}$

- Limitations are possible due to the used cable type -

Environmental data:

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

Mechanical data:

Mating cycles:	≥ 500
Coupling nut retention	$\geq 270 \text{ N}$
Coupling test torque:	$\leq 1.1 \text{ Nm}$
Recommended torque:	0.46 Nm to 0.69 Nm

Suitable cables:

LMR240,RG8X