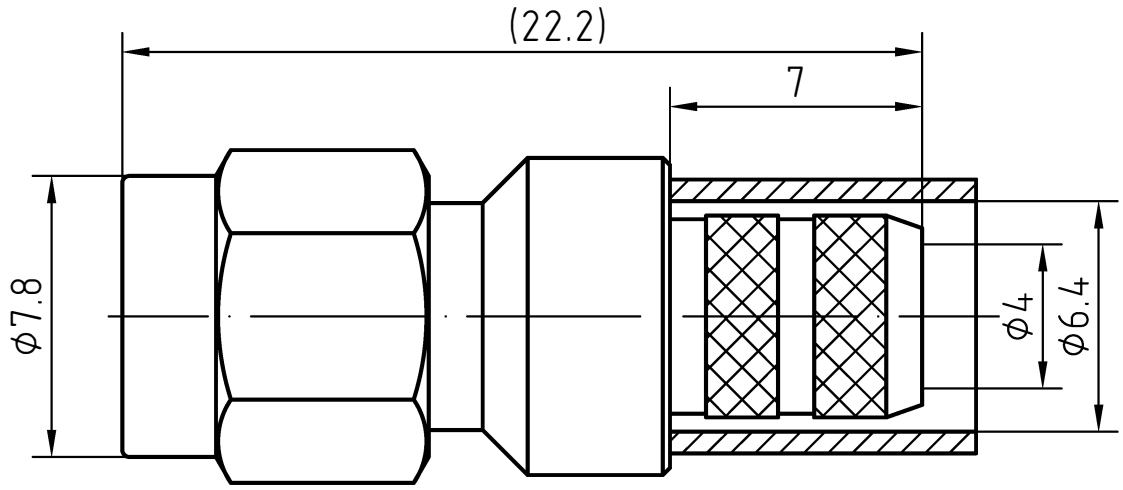
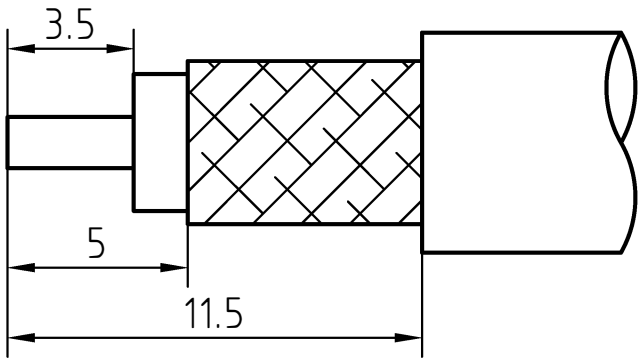
DRAWING



CABLE(LMR240,RG8X)



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

Designed by	Checked by	Approved by	File name	Date	Scale
Xio Xang	Jing Lo	Jing Chan	SMA-111100L	10.11.26	4 : 1

RF CONNEC

SMA-111100L

Edition	Sheet
1.0	1/1

CHARACTERISTICS

DESCRIPTION:	SMA Type male connector

Electrical data:

Impedance:	*50 ohm*
Frequency range:	*DC to 12.4 GHz*
VSWR:	*≤ 1.05 + 0.04 X f [GHz]*
Insertion loss:	*≤ 0.15 X $\sqrt{f[GHz]}$ dB*
Insulation resistance:	*≥5000MΩ*
Test voltage:	*1000 V rms*
Working voltage:	*500 V rms*
Contact resistance:	
1). Centre contact:	*3.0 mΩ*
2). Outer conductor:	*2.0 mΩ*
Power handling (at 20 °C, sea level, VSWR 1.0)	*≤ 200 W @ 2 GHz;*
RF-leakage	*≥ 100 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	*≥ 270 N*
Coupling test torque:	*≤1.1 Nm*
Recommended torque:	*0.46 Nm to 0.69 Nm*

Suitable cables:

LMR240