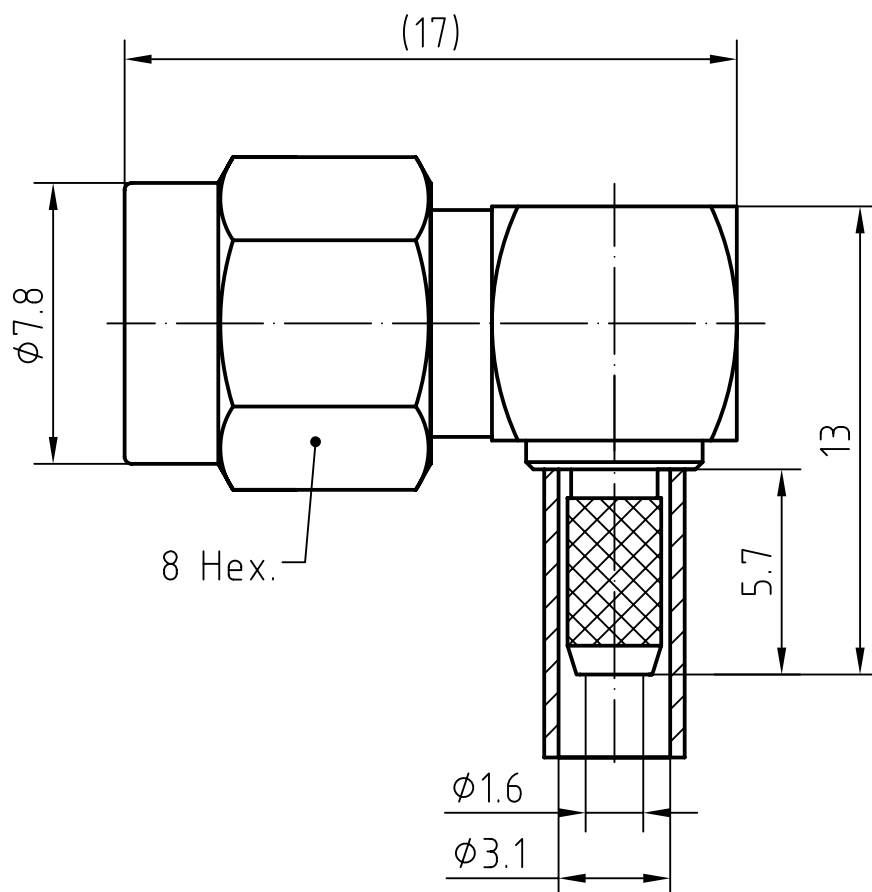
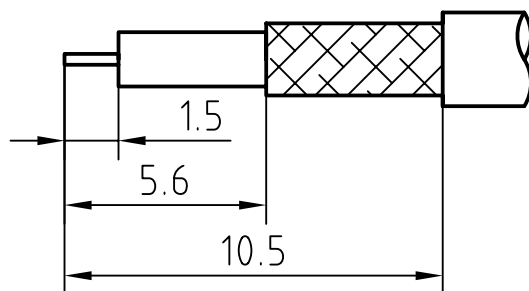


DRAWING

SMA Type male Right/Angle coneector



CABLE(RG174A/U,RG188A/U,RG316/U)



5	1	O ring	Silicon rubber	
4	1	Coupling nut	Brass/Gold plated	
3	1	Center contact	Brass/Gold plated	
2	1	Insulator	PTFE	
1	1	Body	Brass/Gold plated	
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by
Xio XangChecked by
Jing LoApproved by - date
Jing ChanFile name
SMA-111200ADate
06.06.23Scale
5 : 1**RF CONNEC**

SMA-111200A

Edition
1.0Sheet
1/1

CHARACTERISTICS

DESCRIPTION: SMA Type male Right/Angle 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:	2.5 m Ω
Power handling (at 20 ° C, sea level, VSWR 1.0):	$\leq 200 \text{ W @ 2 GHz}$
RF-leakage:	$\geq 100 \text{ dB up to 1 GHz}$

Environmental data:

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

Mechanical data:

Mating cycles:	≥ 500
Coupling nut retention:	$\geq 270 \text{ N}$
Center contact captivation:	$\geq 27 \text{ N(axial)}$
Coupling test torque:	$\leq 1.7 \text{ Nm}$
Recommended torque:	0.46 Nm to 0.69 Nm
Suitable cables:	RG 174 A/U, RG 188 A/U, RG 316 /U