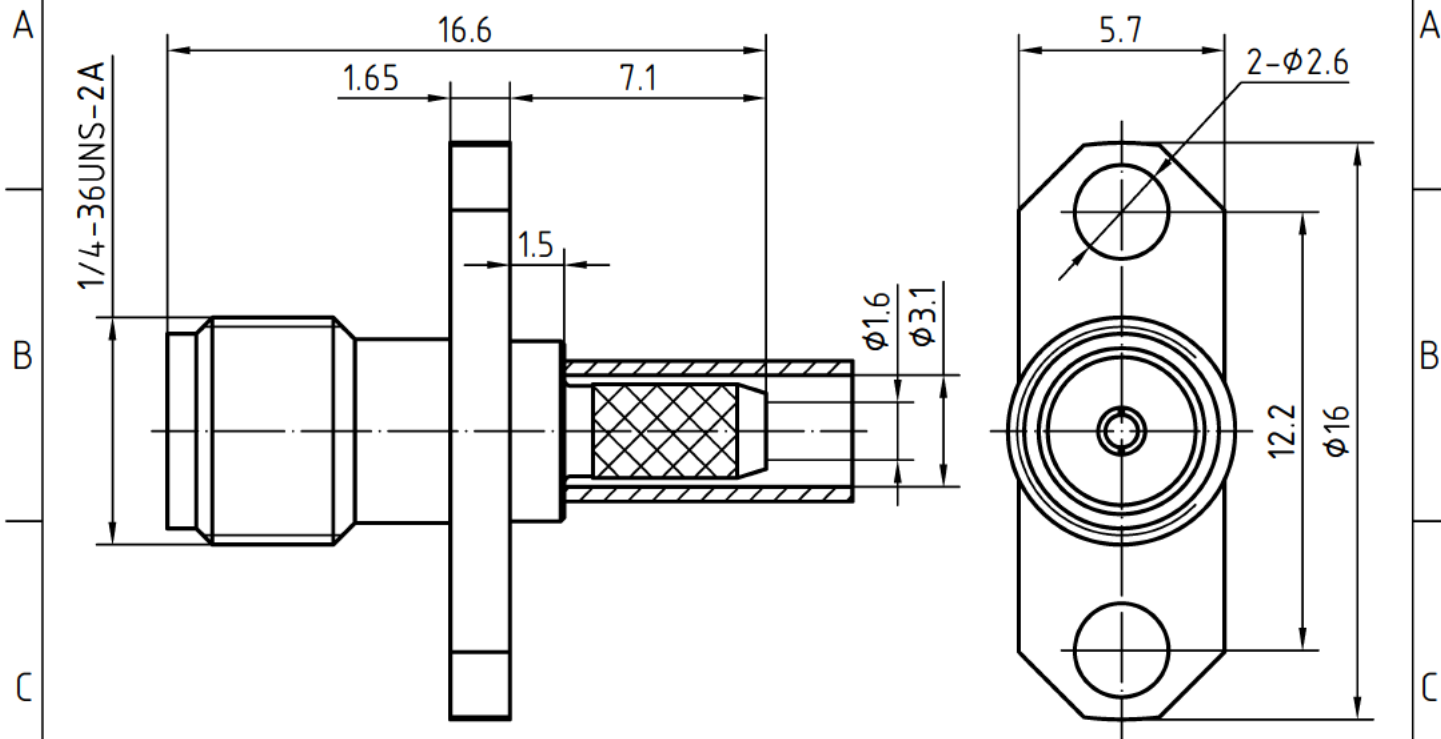
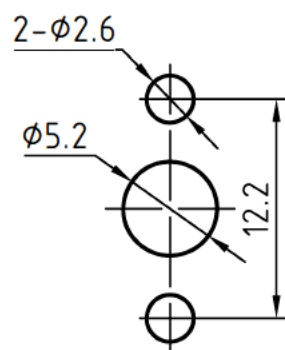
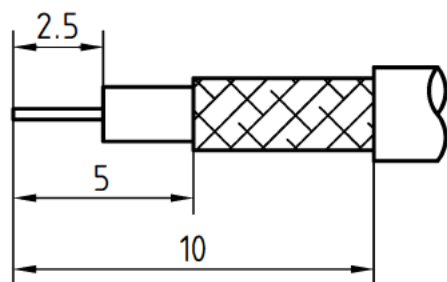


DRAWING



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

MOUNTING HOLE



3	1	Body	Brass/Gold plated	
2	1	Insulator	PTFE	
1	1	Center pin	Beryllium copper/Gold plated	
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference
Designed by Xio Xang	Checked by Jing Lo	Approved by Jing Chan	File name SMA-112120A	Date 09.02.02
RF CONNEX excellent way of connect				SMA_112120A Edition 1.0 Sheet 1/1

CHARACTERISTICS

DESCRIPTION:

SMA female FL connector

Electrical data:

Impedance:	50 ohm
Frequency range:	DC to 12.4 GHz
VSWR:	$\leq 1.10 + 0.03 \times f \text{ [GHz]}$, DC to 5 GHz
Insertion loss:	$\leq 0.25 \times \sqrt{f \text{ [GHz]}}$ dB, DC-5GHz
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:	0.8 Nm to 1.1 Nm

Suitable cables:

RG174A/U, RG188A/U, RG316/U