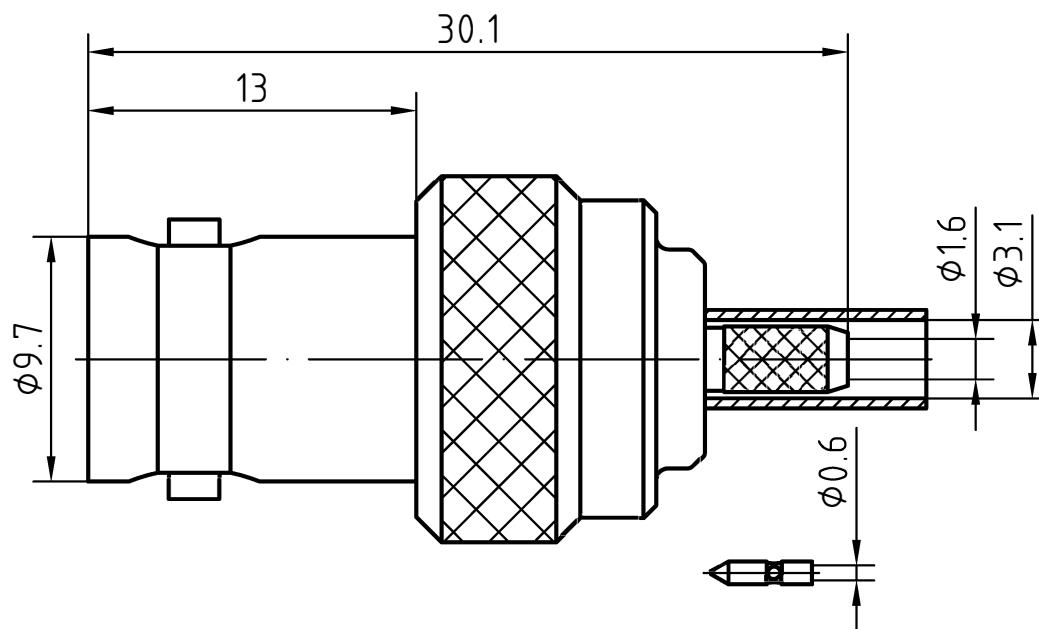
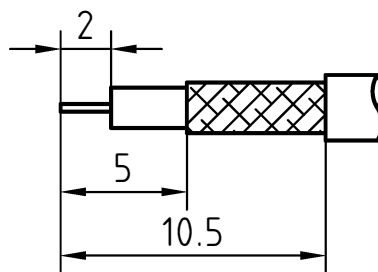


DRAWING



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



3	1	Body	Brass/Neckel plated	Nickel 7.0um over Copper 2.0um
2	1	Insulator	PTFE	
1	1	Centor contactor	Phosphor bronze/Gold plated	Gold 0.3um over Nickel 2.0um
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by
Xio XangChecked by
Jing LoApproved by
Jing ChanFile name
BNC-112100ADate
08.05.25Scale
5 : 1**RF CONNEC**

BNC-112100A

Edition
1.0Sheet
1/1

CHARACTERISTICS

DESCRIPTION:

BNC Type female connector

Electrical characteristics:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 4.0 GHz</i>
<i>VSWR:</i>	<i>$\leq 1.10 + 0.05 \times f[\text{GHz}]$</i>
<i>Insertion loss:</i>	<i>$\leq 0.20 \times \sqrt{f [\text{GHz}]} \text{ dB}$</i>
<i>Insulation resistance:</i>	<i>$\geq 5000 \text{ M}\Omega$</i>
<i>Test voltage:</i>	<i>1500 V rms</i>
<i>Working voltage:</i>	<i>400 V rms</i>
<i>Contact resistance:</i>	
1). <i>Centre contact:</i>	<i>1.5 mΩ</i>
2). <i>Outer conductor:</i>	<i>1.0 mΩ</i>
<i>Power handling</i> (at 20 °C, sea level, VSWR 1.0):	<i>80 W @ 2 GHz</i>

Environmental data:

<i>Temperature rating:</i>	<i>-55 ° C to +165 ° C</i>
<i>52/95/EC (RoHS):</i>	<i>Compliant</i>

Mechanical data:

<i>Mating cycles:</i>	<i>≥ 500</i>
<i>Center contact captivation:</i>	<i>$\geq 15 \text{ N(axial)}$</i>

Suitable cables:

RG174A/U, RG188A/U, RG316/U