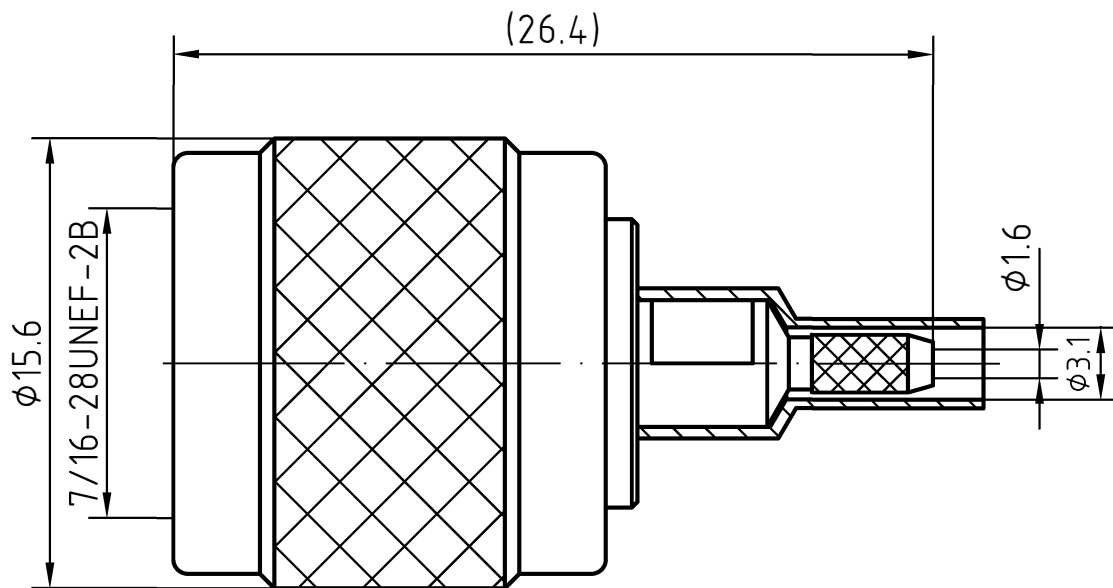
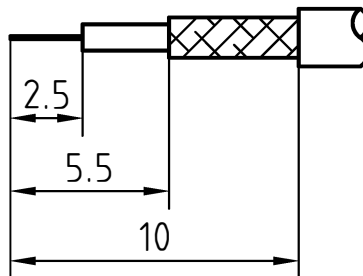


DRAWING



CABLE(RG178/U, RG196/U)



6	1	Ferrule	Copper/Nickel plated	
5	1	O ring	Silicone rubber	
4	1	Coupling nut	Brass/Nickel plated	
3	1	Body	Brass/Nickel plated	
2	1	Insulator	PTFE	
1	1	Center contact	Brass/Gold plated	
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by
Xio XangChecked by
Jing LoApproved by
Jing ChanFile name
TNC-111100ADate
06.02.26Scale
5 : 1

TNC-111100A

Edition
1.0Sheet
1/1

CHARACTERISTICS

DESCRIPTION:

TNC Type male connector

Electrical data:

<i>Impedance:</i>	<i>50 Ω</i>
<i>Frequency range:</i>	<i>DC to 10.0 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>500 V rms</i>
<i>Contact resistance:</i>	
1). Centre contact:	<i>1.5 mΩ</i>
2). Outer conductor:	<i>1.0 mΩ</i>
<i>Power handling (at 20 °C, sea level, VSWR 1.0):</i>	<i>$\leq 80 \text{ W @ 2 GHz}$</i>

Environmental data:

<i>Temperature rating:</i>	<i>-65 ° C to +165 ° C</i>
<i>2002/95/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>
<i>Coupling test torque:</i>	<i>$\leq 1.7 \text{ Nm}$</i>
<i>Recommended torque:</i>	<i>0.46 Nm to 0.69 Nm</i>

Suitable cables:

RG174A/U, RG188A/U, RG316/U