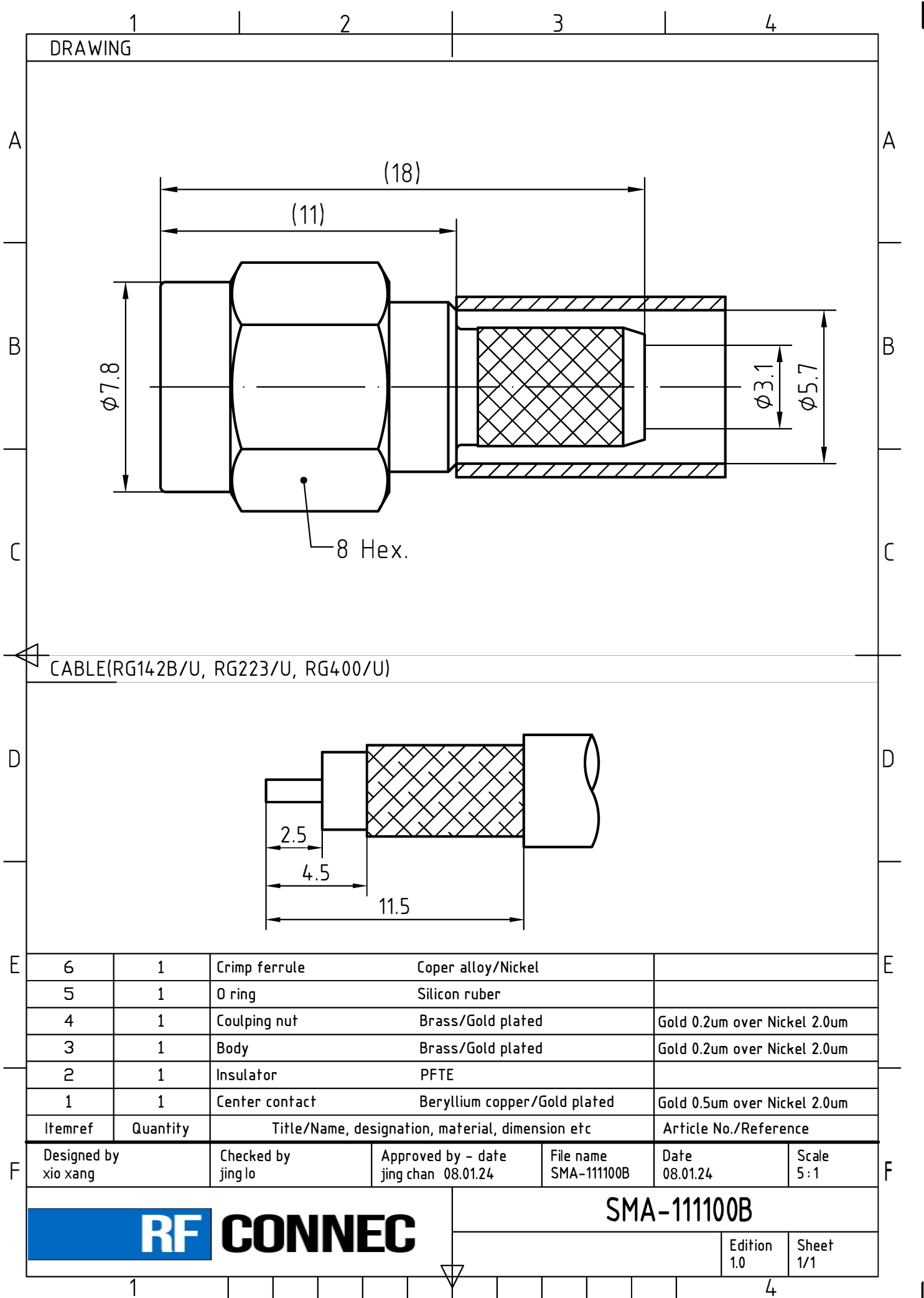




CHARACTERISTICS

DESCRIPTION:

SMA Type male connector

Electrical data:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 12.4 GHz</i>
<i>VSWR:</i>	$\leq 1.15 + 0.03 \times f \text{ [GHz]}$
<i>Insertion loss:</i>	$\leq 0.20 \times \sqrt{f \text{ [GHz]}} \text{ dB}$
<i>Insulation resistance:</i>	$\geq 5000 \text{ M}\Omega$
<i>Test voltage:</i>	<i>1000 V rms</i>
<i>Working voltage:</i>	<i>500 V rms</i>
<i>Contact resistance:</i>	
1). Centre contact:	<i>3.0 mΩ</i>
2). Outer conductor:	<i>2.0 mΩ</i>
<i>Power handling</i> (at 20 °C, sea level, VSWR 1.0)	$\leq 200 \text{ W @ 2 GHz};$
<i>RF-leakage</i>	$\geq 100 \text{ dB up to 1 GHz}$
<i>- Limitations are possible due to the used cable type -</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>	≥ 500
<i>Coupling nut retention</i>	$\geq 270 \text{ N}$
<i>Coupling test torque:</i>	$\leq 1.7 \text{ Nm}$
<i>Recommended torque:</i>	<i>0.46 Nm to 0.69 Nm</i>

Suitable cables:

RG58C/U, RG142B/U, RG223/U, RG400/U