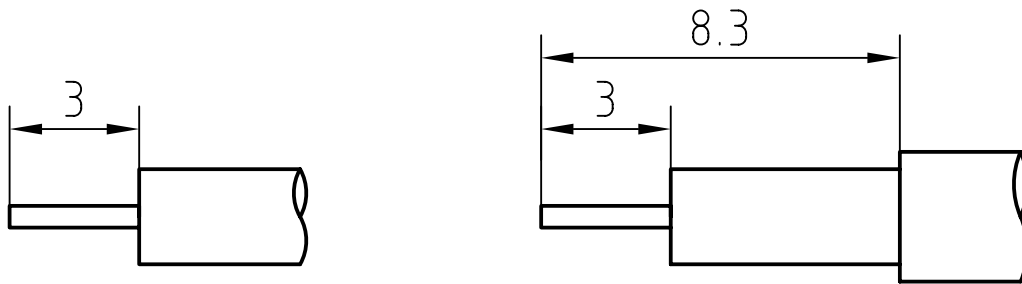


CABLE(UT086,RG405,670-086)



With jacket



6	1	O ring	Silicone rubber	
5	1	Spring	Beryllium copper/Nickel plated	Nickel 5.0um over Copper 2.0um
4	1	Coupling nut	Stainless steel/Passivated	
3	1	Body	Brass/Gold plated	Gold 0.2um over Nickel 2.0um
2	1	Insulator	PTFE	
1	1	Center contact	Brass/Gold plated	Gold 0.5um over Nickel 2.0um
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by xio xang	Checked by jing lo	Approved by - date jing chan	File name SMA-131100F	Date 09.03.02	Scale 6 : 1
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RF CONNEC

SMA-131100F

Edition
1.0

Sheet
1/1

CHARACTERISTICS

DESCRIPTION: SMA Type male str connector

Electrical data:

<i>Impedance:</i>	50 ohm
<i>Frequency range:</i>	DC to 18.0 GHz
<i>VSWR:</i>	$\leq 1.04 + 0.02 \times f \text{ [GHz]}$
<i>Insertion loss:</i>	$\leq 0.08 \times \sqrt{f \text{ [GHz]}} \text{ dB}$
<i>Insulation resistance:</i>	$\geq 5000 \text{ M}\Omega$
<i>Test voltage:</i>	1000 V rms
<i>Working voltage:</i>	480 V rms
<i>Contact resistance:</i>	
1). Centre contact:	3.0 m Ω
2). Outer conductor:	2.0 m Ω
<i>Power handling</i> (at 20 °C, sea level, VSWR1.0):	$\leq 200 \text{ W @ 2 GHz}$
<i>RF-leakage</i>	$\geq 100 \text{ dB up to 1 GHz}$
- Limitations are possible due to the used cable -	

Environmental data:

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

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>	0.8 Nm to 1.1 Nm
<i>Suitable cables:</i>	UT086, RG405, 670-086