

勝特力材料 886-3-5753170  
勝特力電子(上海) 86-21-34970699  
勝特力電子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

RG TYPE COAXIAL CABLE		RG174	
DIMENSIONS			
Center Conductor Diameter			
(inch)		0.0189	
(mm)		0.48	
Dielectric Diameter			
(inch)		0.06	
(mm)		1.52	
Braid Diameter			
(inch)		0.078	
(mm)		1.98	
Jacket			
(inch)		0.11	
(mm)		2.79	
MATERIAL SPECIFICATIONS			
Jacket		PVC	
Braid		TPC (Single Braid)	
Dielectric		PE	
Center Conductor		7/0063 CW Wire	
ELECTRICAL CHARACTERISTICS			
Impedance		50ohm	
Capacitance (Nominal)			
(pF/ft)		30.5	
(pF/m)		100	
Velocity of Propagation (%)		65.9	
Maximum Working Voltage		1100	
Max. Cond. Resistance			
(Ohms/100Ft)		9.670	
(Ohms/100m)		31.72	
Corona Extinction Voltage			
(K VRMS)		1.5	
Min. Dielectric Strength			
(KV RMS)		2.0	
Max. Attenuation (dB/100Ft)			
Max Power (Watts)			
100MHz		140	
400MHz		65	
1GHz		40	
2.4GHz		28	
5GHz		18	
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)		-40/+80	
Min. Bend Radius			
(inch)		0.48	
(mm)		12.2	
Weight			
(g/Ft)		3.5	
(g/M)		11.5	

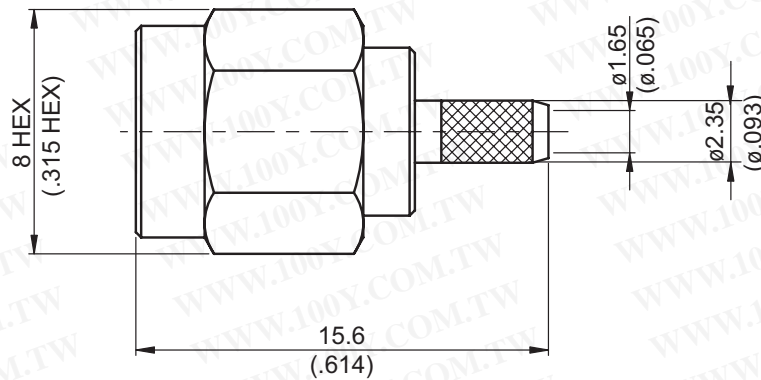
**This part number complies with RoHS.**

**Notice: JYBAO reserves the right to make modifications deemed appropriate.**

SMA3100-0316

SMA Plug Crimp

50Ω



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Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 5 Over Nickel 50 Over Copper 50
Contact Pin	Brass	Gold 20 Over Nickel 50 Over Copper 50
Renber Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Insulator	Teflon	
Body	Brass	Gold 5 Over Nickel 50 Over Copper 50
Coupling Nut	Brass	Gold 5 Over Nickel 50 Over Copper 50

Weight: 3.06 g

Suitable Cables: RG174, RG188, RG316, JBY100, RG316-E, RG316-FEP

# CABLE ASSEMBLY INSTRUCTION

SMA3100-0316

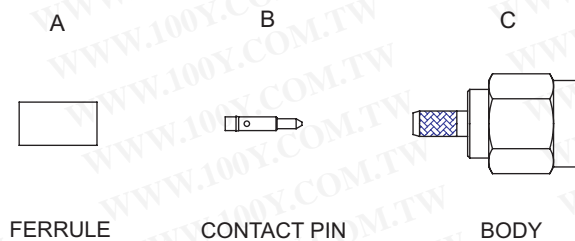


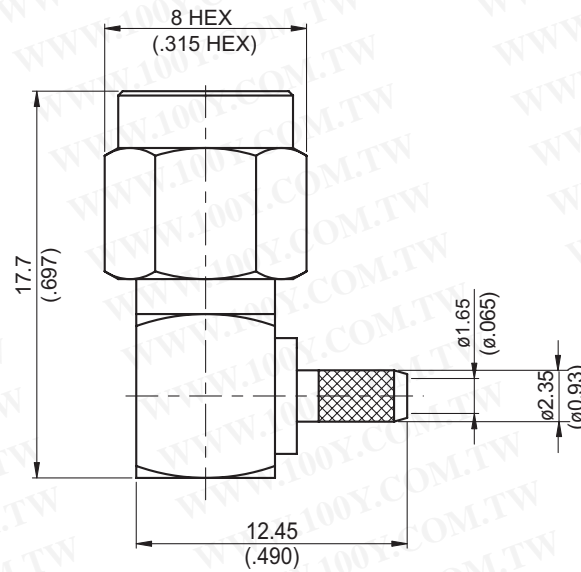
DIAGRAM	ASSEMBLY INSTRUCTION
	<p>Step 1: STRIP AS SHOWN.</p>
	<p>Step 2: SLIDE FERRULE "A" OVER CABLE. Step 3: PUT PIN "B" ON CENTER CONDUCTOR AND SOLDER IN "Y".</p>
	<p>Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "C" IN PLACE.</p>
	<p>Step 5: SLIDE FERRULE "A" TOWARDS THE CONNECTOR "C" AND CRIMP.</p>

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SMA3100-9316

SMA Plug Crimp Right Angle

50Ω



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 5 Over Nickel 50 Over Copper 50
Cover	Brass	Gold 5 Over Nickel 50 Over Copper 50
Renbrock Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Contact Pin	Brass	Gold 20 Over Nickel 50 Over Copper 50
Insulator	Teflon	
Barrel	Brass	Gold 5 Over Nickel 50 Over Copper 50
Body	Brass	Gold 5 Over Nickel 50 Over Copper 50
Coupling Nut	Brass	Gold 5 Over Nickel 50 Over Copper 50

Weight: 4.8 g

Suitable Cables: RG174, RG188, RG316, JBY100, RG316-E, RG316-FEP

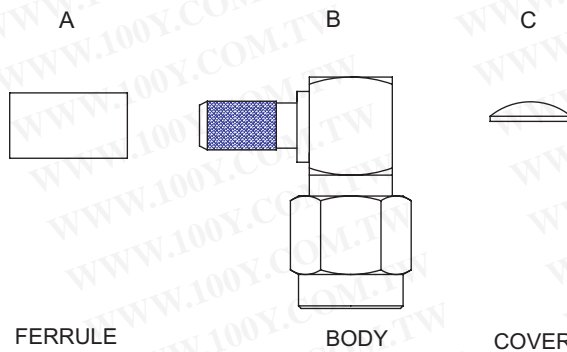
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# CABLE ASSEMBLY INSTRUCTION

SMA3100-9316

JYE BAO CO., LTD.



\* TOOLS AND FIXTURES ARE REFERENCE ON  
 PAGE 306 OF JYEBAO'S 2005 CATALOG.

DIAGRAM	ASSEMBLY INSTRUCTION
	<p>Step 1: STRIP AS SHOWN.</p>
	<p>Step 2: SLIDE FERRULE "A" OVER CABLE.              Step 3: WRAP THE BRAIDING UPWARDS.              Step 4: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR "B", AND SOLDER IN "Y".</p>
	<p>Step 5: SLIDE FERRULE "A" TOWARDS THE CONNECTOR "B" AND CRIMP.</p>
	<p>Step 6: PRESS ON THE TOP OF "C" WITH JIGS AS SHOWN.</p>

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