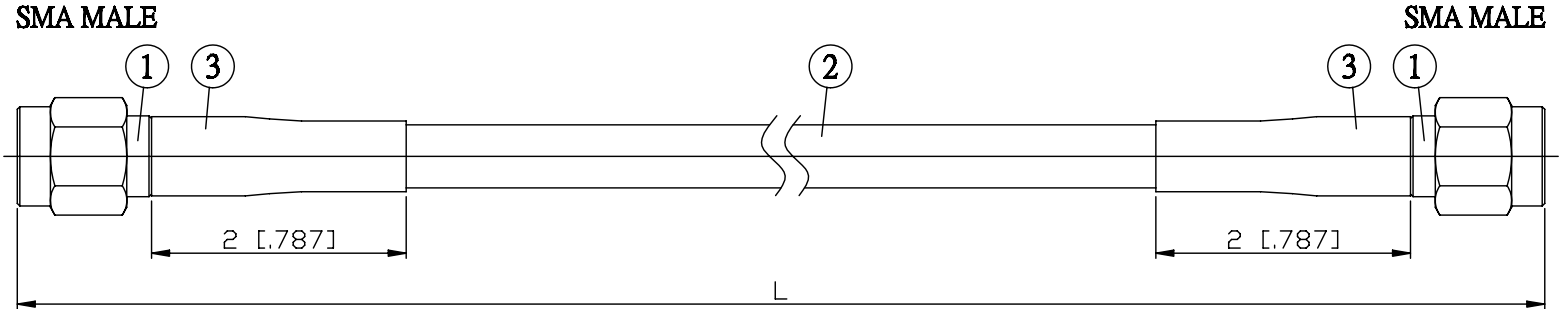


RG TYPE COAXIAL CABLE		RG58C/U	
DIMENSIONS			
Center Conductor Diameter			
(inch)		0.0355	
(mm)		0.85	
Dielectric Diameter			
(inch)		0.116	
(mm)		2.95	
Braid Diameter			
(inch)		0.139	
(mm)		3.53	
Jacket			
(inch)		0.195	
(mm)		4.95	
MATERIAL SPECIFICATIONS			
Jacket		PVC	
Braid		TPC (Single Braid)	
Dielectric		PE	
Center Conductor		19/0072 TPC	
ELECTRICAL CHARACTERISTICS			
Impedance		50ohm	
Capacitance (Nominal)			
(pF/ft)		29	
(pF/m)		95.1	
Velocity of Propagation (%)		65.9	
Maximum Working Voltage		1400	
Max. Cond. Resistance			
(Ohms/100Ft)		1.24	
(Ohms/100m)		4.06	
Corona Extinction Voltage			
(K VRMS)		1.9	
Min. Dielectric Strength			
(KV RMS)		5.0	
Typical Attenuation At 20°C		Attenuation	
Average Power (Watts At 20°C)		Power	
100MHz		dB/ 100Ft	dB/ 100M
400MHz		4.9	16.1
1GHz		10.4	34.1
		17.7	58
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)		-40/+80	
Min. Bend Radius			
(inch)		1	
(mm)		25.4	
Weight			
(g/Ft)		11.5	
(g/M)		38	

NO.	COMPONENTS	IMPEDANCE
1	SMA MALE	50 OHM
2	RG58	50 OHM
3	HEAT SHRINKING TUBE	



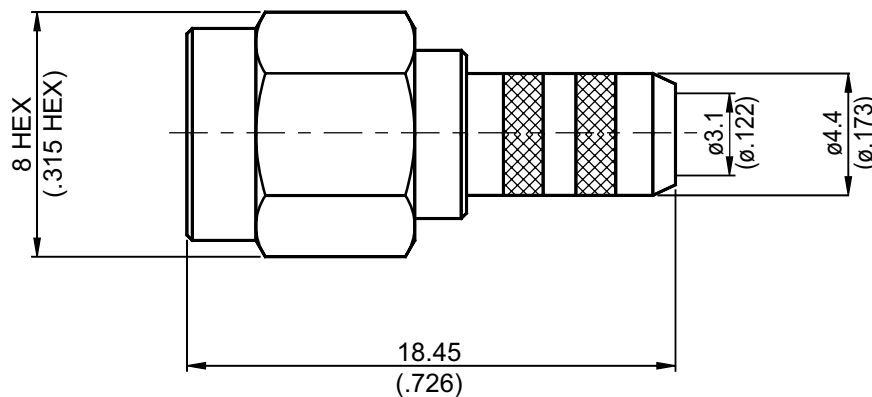
JYE BAO P/N	L CM (INCH)
A30A30-58-15	15 (5.906)
A30A30-58-30	30 (11.811)
A30A30-58-50	50 (19.685)
A30A30-58-100	100 (39.370)
A30A30-58-150	150 (59.055)
A30A30-58-200	200 (78.740)
A30A30-58-XXX	CUSTOM LENGTH IN CM

LENGTH TOLERANCE IS ±1.5% OR ±10MM, WHICHEVER IS GREATER.	JYE BAO CO., LTD. TAIPEI TAIWAN
	DESCRIPTION CABLE ASSEMBLY SMA PLUG TO SMA PLUG
	JYE BAO DRAWING NO. A30A30-58-XXX

SMA3100-0058

SMA Plug Crimp For RG58, JBY195, LMR195
6GHz VSWR 1.2*

50Ω



*Using JBY195

Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Renber Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Coupling Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Weight: 4.12 g

Suitable Cables: RG58, JBY195, LMR195

This part number complies with RoHS.

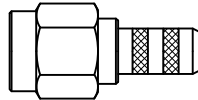
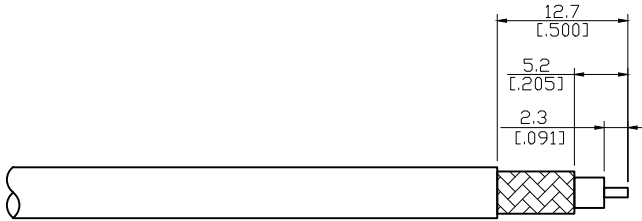
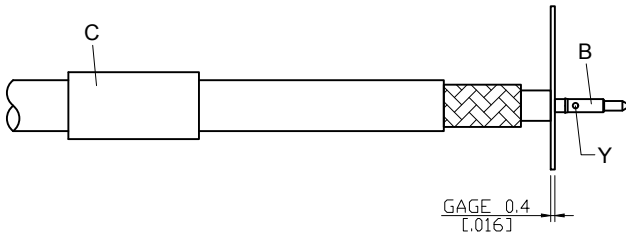
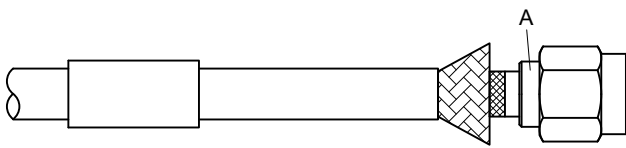
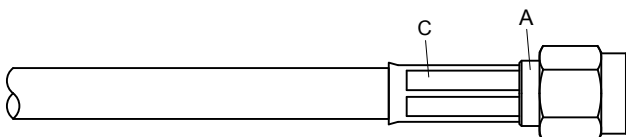
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA3100-0058
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 6GHz VSWR ≤ 1.2 (DC to 6GHz) Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 3\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1000 V rms Working voltage (at sea level) 335 V rms	
Mechanical Data Recommended coupling nut torque 4 inch lbs Coupling proof torque 5.3 inch lbs Coupling nut retention force ≥ 60.7 lbs Contact Captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 100	
Environmental Data Temperature range -65°C to +165°C Thermal shock MIL-STD-202, Method 107, Condition B Moisture resistance MIL-STD-202, Method 106 Corrosion MIL-STD-202, Method 101, Condition B RoHS Compliant	
Tooling Crimping tool CRT-1 or CRT-2 Crimp insert INSERT-B Soldering gauge ST-0.4	

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA3100-0058		DATE	2017/07/04	REV	—
A		B		C	
					
BODY		CONTACT PIN		FERRULE	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE "C" OVER CABLE. Step 3: PUT 0.4 MM GAGE ST-0.4 IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN "B" AND SOLDER IN "Y".		
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "A" IN PLACE.		
			Step 5: SLIDE FERRULE "C" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 5.5mm/0.217inch HEX SECTION OF INSERT-B)		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA3100-0058 (using JBY195)

