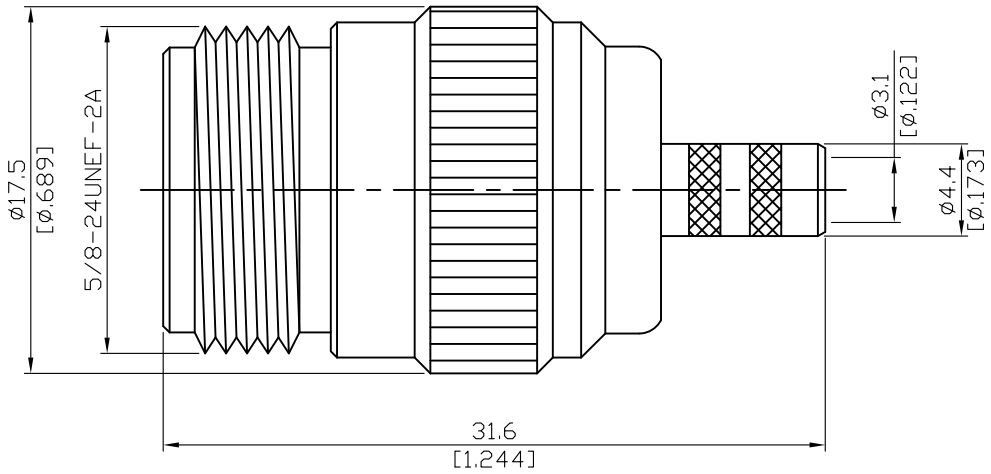
N8100-0058	N Jack Crimp For RG58,JBY195,LMR195; 6GHz VSWR 1.25*	50Ω



*Using JBY195

Parts	Material	Plating (Micro-inch)
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Contact Pin	P.Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Ferrule	Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Weight: 32.34 g
Suitable Cables: RG58, JBY195, LMR195

This part number complies with RoHS.

N	N8100-0058

Interface

MIL-STD-348B

Electrical Data

Impedance	50Ω
Frequency range	DC to 6GHz
VSWR	≦1.25 (DC to 6GHz)
Insertion loss	≦0.05 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≧5000MΩ
Contact resistance inner conductor	≦1.5mΩ
Contact resistance outer conductor	≦1mΩ
Dielectric withstanding voltage (at sea level)	2500 V rms
Working voltage (at sea level)	1000 V rms

Mechanical Data

Recommended coupling nut torque	6 to 10 inch lbs
Coupling proof torque	15 inch lbs
Coupling nut retention force	≧101.2 lbs
Contact captivation-axial	≧6.3 lbs
Durability (mating)	≧500

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

CABLE ASSEMBLY RECOMMENDATION

N8100-0058	DATE	2020/09/10	REV	A

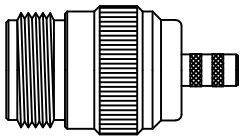
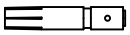
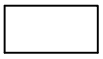
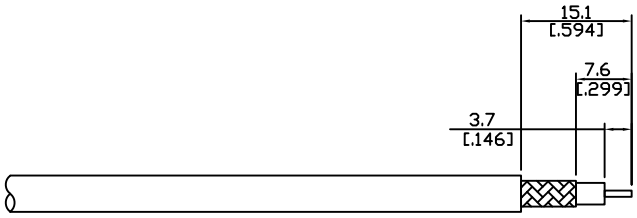
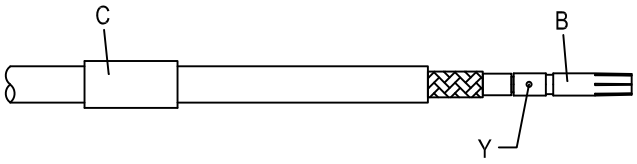
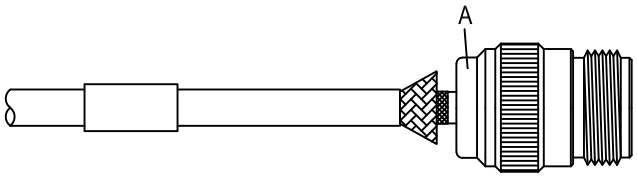
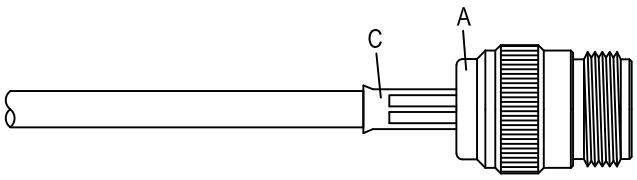
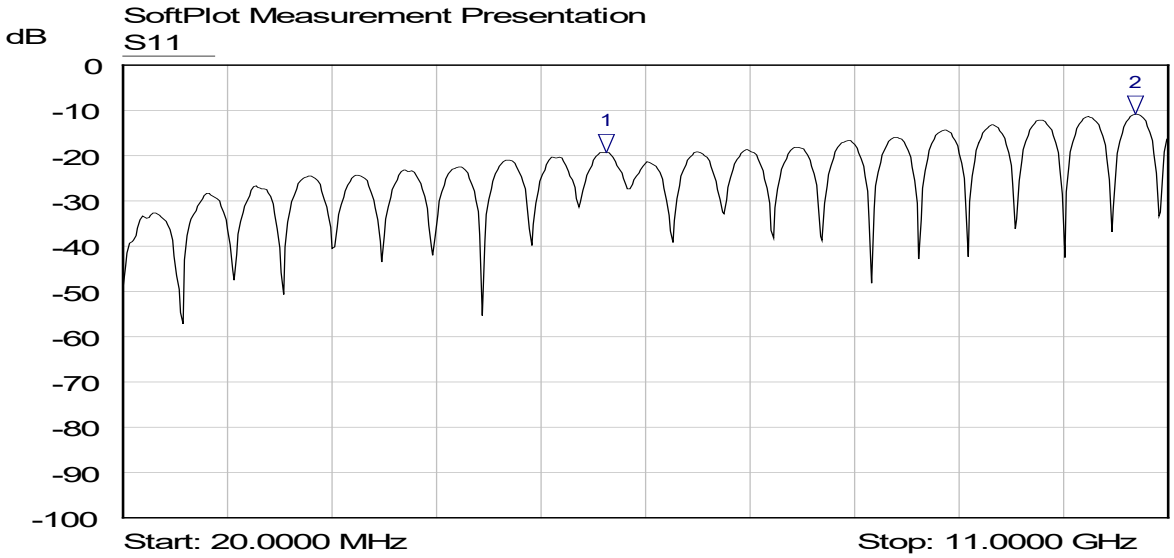
A	B	C
		
BODY	CONTACT PIN	FERRULE

DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 2.4mm/0.094inch SECTION OF INSERT-B IF CRIMPED)
	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.

APPROVED	CHECKED	DRAWING
		Albert

N8100-0058 (using JBY195 cable)



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	5.0994 GHz	-19.30 dB	
2 ▽	S11	10.6507 GHz	-10.83 dB	