



DESIGNED FOR USE WITH RD316/U CABLE		REVISIONS			
CABLE ENTRY DIAMETER MINIMUM		REV	DESCRIPTION	DATE	APPROVED
CONTACT	.022	01 ₀	RELEASED	10/17/91	<i>D. Comelis</i>
FERRULE	.063	B	PER EC 0U20-0176-01-02	06DEC01	<i>C. Hoang</i>
CLAMP NUT	.136				

HOUSING COUPLING NUT CLAMP NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
FERRULE WASHER WEDGE	BRASS PER QQ-B-626 COMP. 360	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BRASS PER ASTM-B-16, HALF HARD	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194 ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
COMPONENT	MATERIAL	FINISH

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A Fig. 310.1	Temperature Rating <u>-55°C to +165°C</u>
Frequency Range (GHz) <u>12.4</u>	Recommended Mating Torque 7 to 10 inch-pounds	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>250</u>	Mating Characteristics: Insertion (MAX Lbs) <u>3.0</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.15 + 0.02 (f)GHz</u>	Withdrawal (MIN Oz) <u>1.0</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp shall be +200°C
Insertion Loss (dB MAX) <u>.06 √ f GHz</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) <u>-(60 - f GHz)</u>	Center Contact Captivation Axial (Lbs) <u>6 LBS MIN</u>	Corrosion - MIL-STD-202, Method 101, Condition B
Corona, 70,000 Ft (VRMS MIN) <u>190</u>	Cable Retention Axial Force (Lbs) <u>25</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u>	Torque (In/Oz) <u>N/A</u>	
Contact Resistance (Milliohms MAX) Center Contact <u>4.0</u>	Weight (Grams) <u>4.8</u>	
Outer Contact <u>2.0</u>		
Cable to Housing <u>5.0</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>500</u>		
I.R.(Megohms MIN) <u>5000</u>		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	DRAWN BY <i>BB</i> DATE <u>10/15/91</u>	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599	
	CHECKED BY <i>D. Comelis</i> DATE <u>10/17/91</u>	AMP	
	APPD BY <i>D. Comelis</i> DATE <u>10/17/91</u>	TITLE OSM STRAIGHT CABLE PLUG CLAMP ATTACHMENT	
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		2001-7316-00	REV 01 ₀
		SCALE 5:1	SHEET 1 OF 1