

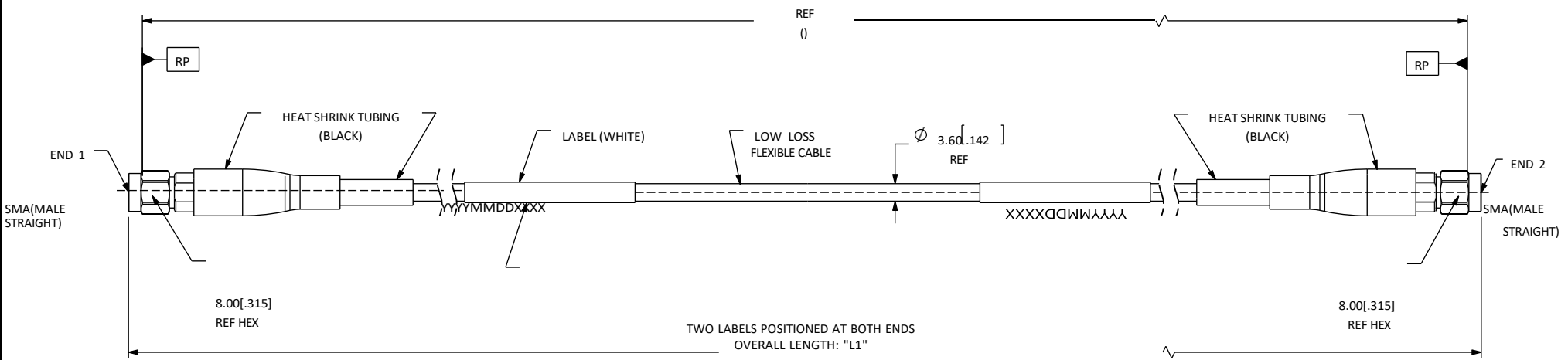
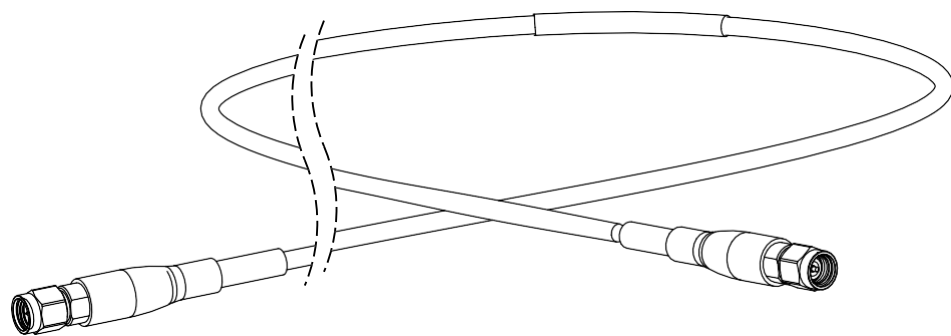
NOTES:

UNITS: MILLIMETERS[INCHES]

# ASSEMBLY DRAWING

- 1. ELECTRICAL:**
  - 1.1 IMPEDANCE: 50 Ω
  - 1.2 FREQUENCY RANGE: DC ~ 18 GHZ
  - 1.3 VSWR: 1.30 MAX @ 18 GHZ
  - 1.4 INSERTION LOSS: SEE TABLE 2 / "IL"
  - 1.5 RF LEAKAGE: ≥ 90 DB
  - 1.6 INSULATION RESISTANCE: 1200 MΩ MIN
  - 1.7 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
  - 1.8 VOLTAGE RATING: 335 VRMS
- 2. MECHANICAL:**
  - 2.1 DURABILITY: ≥500 CYCLES
  - 2.2 MINIMUM BENDING RADIUS(STATIC): 52 MM
  - 2.3 MINIMUM BENDING RADIUS(REPEATED): 125 MM
  - 2.4 RECOMMENDED COUPLING TORQUE: 7-10 IN-LBS
  - 2.6 BENDING STABILITY: +/-5° @ 18 GHZ
  - 2.7 AMPLITUDE STABILITY: +/-0.1 @ 18 GHZ
- 3. ENVIRONMENTAL:**

TEMPERATURE RANGE: -40°C TO +85°C
- 4. MATERIAL AND FINISH:RAW CABLE,**
  - 4.01 AMROR: PTFE WIRE, BLACK+RED
  - 4.02 FEATURES: SUPER LOW LOSS, FLEXIBLECONNECTORS(BOTH ENDS),
  - 4.03 BODY: STAINLESS STEEL, PASSIVATED
  - 4.04 COUPLING NUT: STAINLESS STEEL, PASSIVATED
  - 4.05 CENTER CONTACT: BRASS, GOLD PLATED
  - 4.06 DIELECTRIC: ENGINEERING PLASTIC, NATURAL



## CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

### Attenuation (typical value@25°C & VSWR=1.0)

### Average power (typical value@40°C & atmospheric pressure)

Frequency MHz	100	300	500	1000	2400	3000	4000	6000	10000	12400	18000
Att. dB/1 m	0.04	0.08	0.1	0.14	0.23	0.25	0.3	0.37	0.48	0.54	0.66
Avg. Power kW	5.817	3.341	2.579	1.812	1.156	1.030	0.887	0.717	0.547	0.488	0.399
				K1 =	0.4563000						
				K2 =	0.0003200						
				Calculate Attenuation=K1 * √ F.Mhz+K2 *F.Mhz							

TABLE - 2 (Raw Attenuation)

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN MILLIMETERS. AND  
TOLERANCES ARE: DECIMALS ANGLES  
X.X: 0.25 [.0100] ± 3°  
X.XX: 0.05 [.0020]  
X.XXX: 0.025 [.0010]

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