

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/31/23	J. Q

**MATERIAL & FINISH:**

**SMPS CONNECTOR:**

- 1 BODY: BERYLLIUM COPPER ALLOY, GOLD PLATED
- 2 CENTER CONTACT: BERYLLIUM COPPER ALLOY, GOLD PLATED
- 3 INSULATOR: PEI

**AFLEX047 CABLE:**

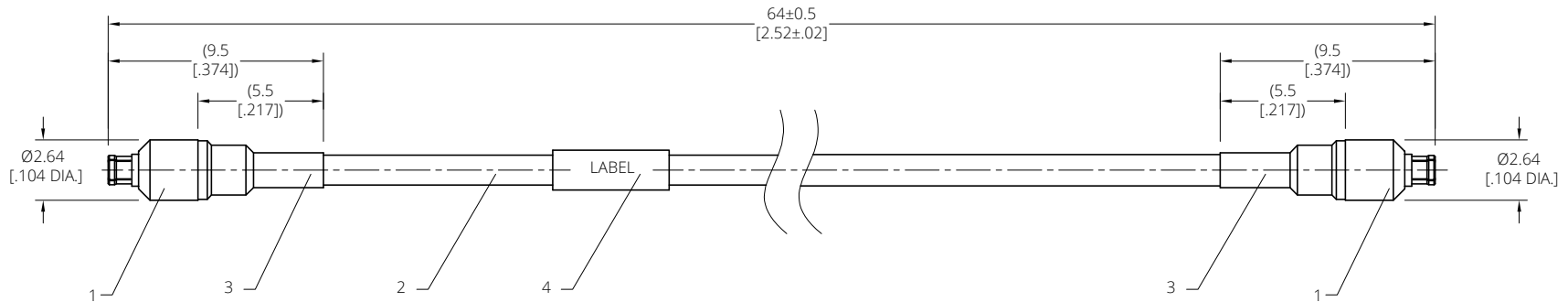
- 1 INNER CONDUCTOR: SILVER PLATED COPPER
- 2 DIELECTRIC: PTFE
- 3 OUTER CONDUCTOR: SPIRAL WRAPPED SILVER PLATED COPPER TAPE + SILVER PLATED COPPER
- 4 JACKET: FEP

**2.0 ELECTRICAL DATA:**

- 1 IMPEDANCE: 50 OHMS
- 2 FREQUENCY RANGE: DC~65 GHz
- 3 RETURN LOSS: <-20 DB (100MHz~18GHz)  
<-15 DB (18GHz~40GHz)  
<-7 DB (40GHz~65GHz)
- 4 INSERTION LOSS: 1.50 DB MAX. (100MHz~18GHz)  
1.90 DB MAX.(18GHz~40GHz)  
2.10 DB MAX.(40GHz~65GHz)
- 6 RATED VOLTAGE:>AC80V
- 7 INSULATION RESISTANCE(DC 250V): >1500 MΩ
- 8 WITHSTAND VOLTAGE: AC250V, 1 MINUTE

**3.0 ENVIRONMENTAL DATA:**

- 1 OPERATING TEMPERATURE RANGE: -45°C~+90°C
- 2 STORAGE TEMPERATURE: -55°C~+125°C
- 3 2011/65/EU(RoHS) AND 2015/863/(RoHS): COMPLIANT
- 4 1999/45/EC(REACH): COMPLIANT
- 5 CABLE CONNECTION STRENGTH: NO ABNORMALITY SUCH AS BREAKAGE AT 40N.(AXIALLY)
- 6 DURABILITY: NO ABNORMALITY SUCH AS BREAKAGE AFTER 100 TIMES OF BONDING AND DISBONDING.



4	LABEL	HEAT-SHRINK TUBE Ø2.5 (WHITE)	1
3	ANO 8.687.109	ADHESIVE HEAT-SHRINK TUBE Ø3.2*5.5	2
2	AFLEX047	AFLEX047 CABLE	1
1	ANO 7812-2001	SMPS STRAIGHT FEMALE SOLDER FOR .047 CABLE	2
SEQUENCE NUMBER	PART NO.	DESCRIPTION	QTY

DRAWN	W. Y	DATE	09/25/23
CHECKED	X. Y	DATE	09/25/23
APPROVED	J. Q	DATE	09/25/23
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XX	±0.13 [005"]		
X	±0.20 [008"]		
x	±0.50 [019"]		
x*	±1°		
x*	±2°		

**ANOISON**

TITLE  
CABLE ASSEMBLY, SMPS STRAIGHT FEMALE TO SMPS STRAIGHT FEMALE, AFLEX047 CABLE

VIEW

PART NO.	AF047-SMPS(F)-SMPS(F)-64MM		
SIZE	A3	SCALE	5:1
SHEET	1/1	REV.	A