

1.0-M / 1.0-M SEMI-RIGID CABLE 110 GHZ 0.047"

SC1047-XX

SPECIFICATIONS

ELECTRICAL:

FREQUENCY: 110 GHz
IMPEDANCE: 50 OHMS
VELOCITY PROPAGATION: 69.4%

INSERTION LOSS:<1.7 dB/ft @18 GHz,
<2.1 dB/ft @ 27 GHz, <2.6 dB/ft @ 40 GHz,
<3.2 dB/ft @60 GHz, <5.0 dB/ft @110 GHz (typical)
+0.3 dB per connector

RETURN LOSS:>14 dB to 48 GHz, >12dB to 65 GHz
FUNCTIONAL TO 110 GHz
(VERIFIED TO 65 GHz)

MIN BEND RADIUS: 0.125" (3.2mm)

OPERATING TEMPERATURE: -55° to +200°C

MATERIAL:
BODY, COUPLING + CLAMP NUT: PASS. STAINLESS STEEL
CENTER CONDUCTOR: GOLD PLATED BeCu
SOLDER FERRULE: GOLD PLATED BRASS
LOCK RING: BeCu
GASKET: SILICONE RUBBER
CABLE: TIN PLATED COPPER



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TITLE			
1.0-M / 1.0-M SEMI-RIGID CABLE 110 GHZ 0.047"			
SIZE	CAGE CODE	DWG NO	REV
A	3FKR5	SC1047-XX	--
SCALE		SHEET	

ALL DIMENSIONS IN inches(MM) Typical