**50 Ω .047” DIA FLEXIBLE CABLE**

**SPECIFICATIONS**

For complete specifications see www.samtec.com/RF047

**RF Connector:**
- **Outer Contact Material:** Brass (SMA), BeCu (HMF1)
- **Contact Material:** Brass (SMA), BeCu (HMF1)
- **Insulator Material:** PTFE
- **Impedance:** 50 Ω
- **Frequency Range:** 0–10 GHz (HMF1)
- **Dielectric Withstanding:** 1,000 Vrms (SMA)

CCA-047 (.047”)
- **Cable Impedance:** 50 W microwave
- **Capacitance:** 95.14 pF/meter
- **Max Attenuation (cable only):** 1.15 @ 1 GHz for 1 meter
- **Conductor Size:** 28 AWG (0.29 mm), .011” dia.
- **Conductor Material:** Silver plated copper
- **Insulator Material:** FEP
- **Shield Material:** Metallic Alloy
- **Jacket Material:** FEP
- **Jacket Diameter:** (1.42 mm), .056” dia.
- **Bend Radius:** 5 mm

**ALSO AVAILABLE (MOQ Required)**
- Additional stripping and tinning options
  Contact Samtec.

**OTHER SOLUTIONS**
- Cable connector kits (see cable components catalog pages)

**END OPTIONS**

- **-01SP1 = SMA**
  - Straight Plug
  - (30 µ” (0.76 µm) Gold on Center Contact, Gold Flash on Shell)

- **-11SP9 = HMF1**
  - U.FL Straight Plug
  - (30 µ” (0.76 µm) Gold on Center Contact, Gold Flash on Shell)

- **-11RP9 = HMF1**
  - U.FL Right-angle Plug
  - (30 µ” (0.76 µm) Gold on Center Contact, Gold Flash on Shell)

- **-SING = Single Ended**
  - (End 2 Callout)

- **-XXXXX = Stripped & Tinned**
  - (End 2 Callout)

**OVERALL LENGTH**

**–“XXXX”**
- Overall Length in millimeters
- –0100 (100 mm) minimum

**MATING SOLUTION**

- Micro RF PCB connectors for Micro High Frequency RFs
- HMF1 end mates with RSP-122811-01 (Cycles: 30 max.)

**CABLE TYPE**

**RF047**
- (1.2 mm) .047” DIA flexible coax cable
- 28 AWG Flexible coax cable

**END 1 CONNECTOR**

**END 2 CONNECTOR**

Specify END OPTIONS from chart

-01SP1–11RP9 SHOWN

**STRIPPED & TINNED (Dimensions in mm)**

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Both center conductor and braid shield are stripped, only the center conductor is tinned.

Due to technical progress, all designs, specifications and components are subject to change without notice.

All parts within this catalog are built to Samtec’s specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

WWW.SAMTEC.COM