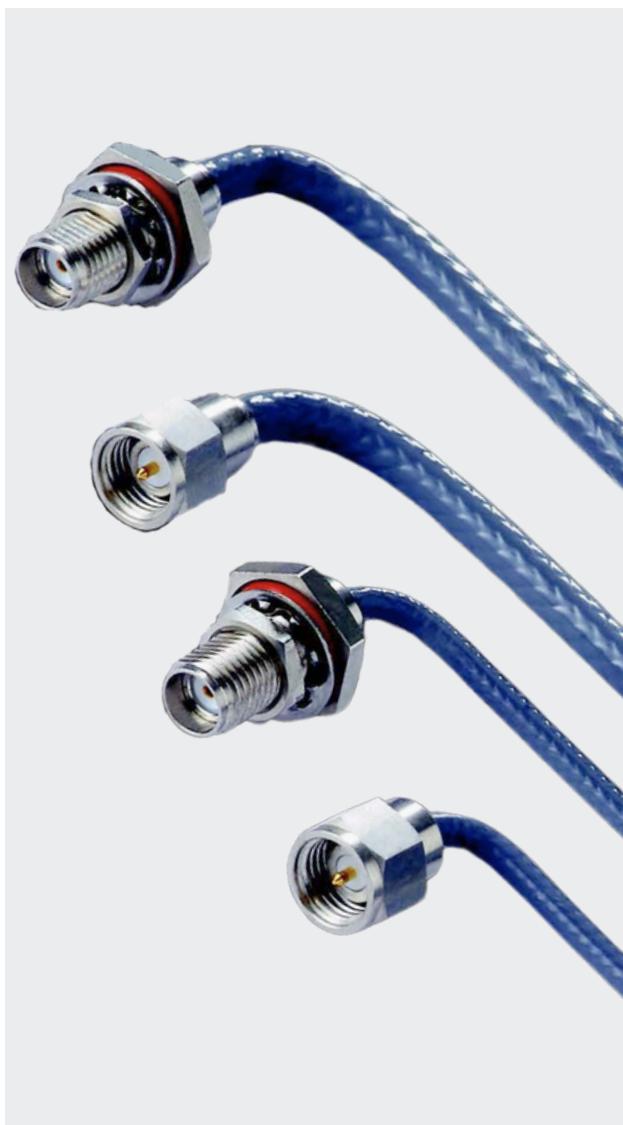


0.047 Cable - ArcTite®

Winchester Interconnect's engineered cable for applications requiring operating frequencies up to 40GHz ensures optimal functionality and efficiency where standard alternatives fall short. Ideal for high-density applications, our product provides a cost effective, higher performing solution to semi-rigid cable. With US-based manufacturing, we are committed to on-time delivery and reliability to keep your operations running.



CAPABILITIES

- Ultra-low profile height
- IP67 waterproof rating
- Retains performance in bent condition
- Replaces higher cost, lower performance right angle solutions
- Ideal for high density packaging
- Available in 0.086 and 0.141 cable sizes
- Low loss broadband performance up to DC-40 GHz

APPLICATIONS

- Ideal for high-density, module connections where flexible cable and low profile height provide advantages to the system design
- Allow up to 100 x 90° bend in any direction at a specified minimum bend radius
- Direct solder To PCB stripline
- Provide an excellent, low-profile solution for jumper cables between ports or components.

SPECIFICATIONS

Physical Properties	
Solid Center Conductor (in)	0.011
Dielectric O.D. (in)	0.037
Helical Foil O.D. (in)	0.041
Round Braid O.D. (in)	0.047
Jacket O.D. (in)	0.058
Operating Temperature (°C)	-65 / +125
Inside Min. Bend Radius (in)	0.3
Weight (lbs/ft)	0.004
Nominal Electrical Properties	
Impedance (ohms)	50
Velocity of Propagation (%)	70
Shielding Effectiveness (dB)	100
Capacitance (pF/ft)	29.0
Max Operating Frequency (GHz)	40

Attenuation (dB/100ft) at 25°C and Sea Level		
<i>Freq (GHz)</i>	<i>Typical</i>	<i>Max</i>
0.5	23.59	25.95
1.0	33.67	37.04
3.0	59.82	65.81
6.0	86.75	95.42
12.0	127.00	139.70
18.0	159.60	175.56
26.0	197.19	216.91
32.0	222.65	244.92
40.0	254.14	279.55
K1	32.45	35.70
K2	1.22	1.34