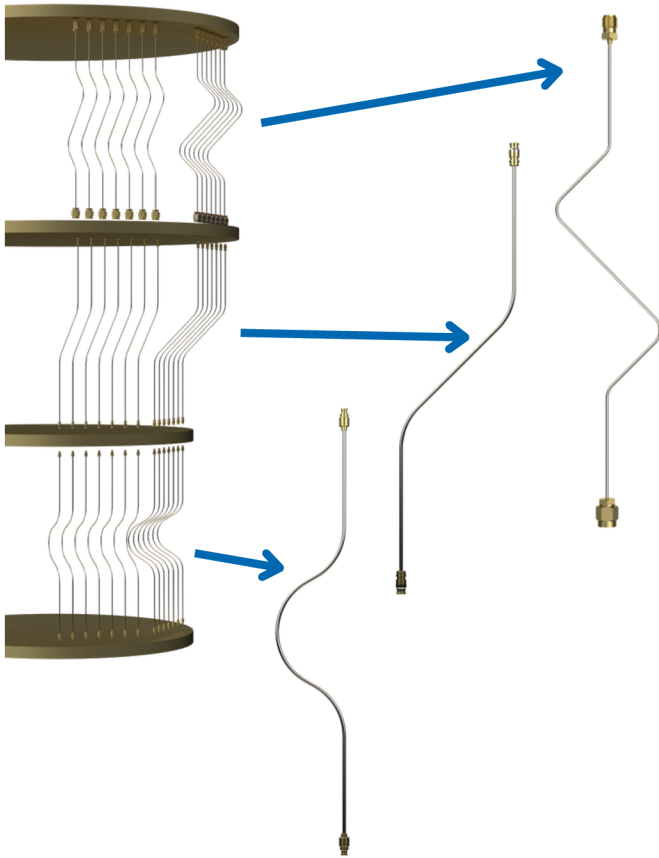


Non-Magnetic CuNi 047 SR

INTRODUCTION



The Non-Magnetic CuNi 047 SR Cable Assembly is engineered for precision and reliability in **advanced applications** such as **quantum computing, electronics, and medical systems**. Featuring **SMA, SMP, and SMPM interfaces with Cu and Cu-Ni semi-rigid 0.047" RF coaxial cables**, it delivers **superior signal integrity up to 18 GHz**. Its non-magnetic properties **ensure compatibility with sensitive environments**, while a smart part-numbering system allows customers to **easily configure cable type, connector, bend style, and length for fast**, tailored ordering. With common bend options and robust construction, this assembly provides dependable performance for critical systems requiring non-magnetic interconnects.

STANDARD FEATURES

- SMA, SMP, SMPM interfaces
- Cu & Cu-Ni semi-rigid 0.047" RF coax cable
- Non-magnetic configuration
- Superior signal integrity up to 18 GHz

BENEFITS

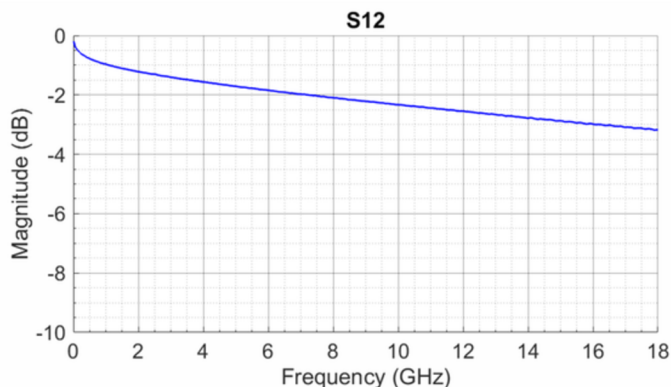
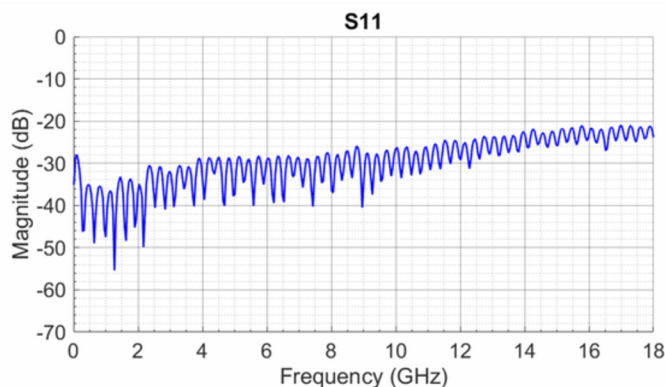
- Easy smart PN custom ordering
- Customizable cable assembly
- Made for Quantum computing, Medical and Electronic applications

SPECIFICATIONS

- Frequency: DC – 18GHz
- VSWR: 1.3:1 max typical
- Temperature Ranges: -273°C to 85°C
- IL: 3.5 dB max typical

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RF PERFORMANCE: INSERTION & RETURN LOSS



Sample tested: SMA (M) / SMA (F), CuNi, Z-bend, 12inch

PART NUMBER BUILDER MATRIX

TM	4C	1A	A	1016	B	0205	s	C
Cable Type		Bend Type*		Connector 1		Connector 2		Phase Match
4C = CuNi 4M = Cu		1A = Z-bend 1X = Z-bend (custom) 2A = Half-arc 2X = Half-arc (custom) 3A = Offset 3X = Offset (custom)		A = SMA (M) B = SMA (F) C = SMP D = SMPM		A = SMA (M) B = SMA (F) C = SMP D = SMPM		C = ±2 D = ±2 E = ±2
				Length (mm)		Height (mm)		Bend Radii (mm)
				ex 1: 1016 = 101.6 ex 2: 6350 = 635.0		ex 1: 0205 = 20.5 ex 2: 1005 = 100.5		r = 6.35 s = 12.7 t = 19.05
								Z-bend Dim A = Dim B =
								Standard Length*0.1 135°
								Custom _____
								Half-arc Dim A = Dim B =
								Length*0.15 120°
								Offset Dim A =
								45°

