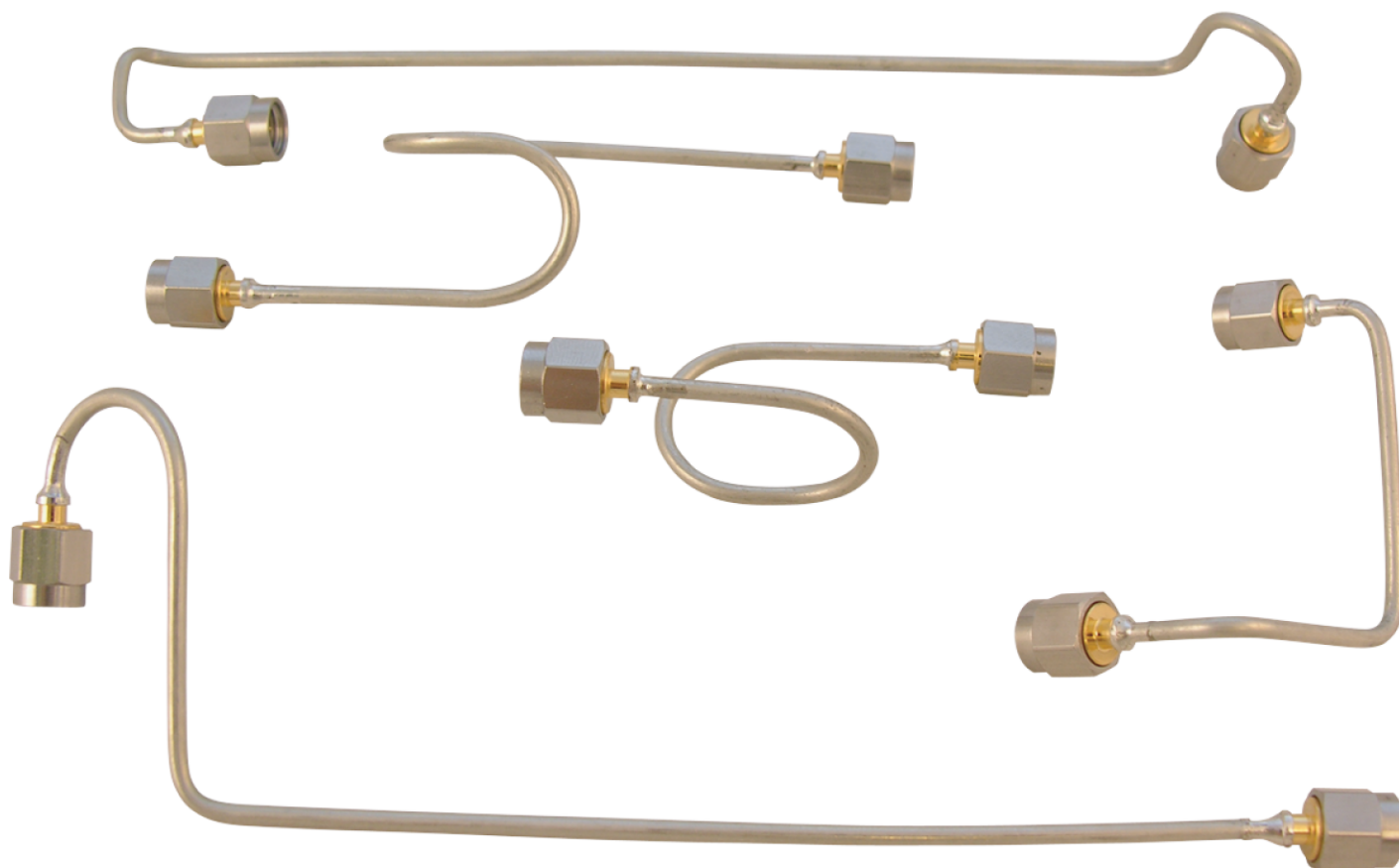


## Semi-Rigid Series Cables Assemblies Up to 6 GHz Transmission Speed



Semi-Rigid  
Assemblies

### ◆ Features

- 1) The solid conductor surfaces and exacting tolerances minimize attenuation and VSWR.
- 2) The solid outer conductor virtually eliminates signal leakage.
- 3) Cable assembly mechanical tolerances to less than  $\pm 0.004$  inch.
- 4) Electrical tolerances to less than  $\pm 0.25$  degrees per GHz.

### ◆ Applications

- 1) Military airborne, shipboard, and land-based microwave communications, electronic warfare and radar systems.
- 2) Commercial communications infrastructure.
- 3) Mobile terminals.
- 4) Commercial and military satellites.



## Semi-rigid 0.086

CONSTRUCTION SPECIFICATIONS		
Description	Material	(mm)
Inner Conductor	Silver Plated Copper	0.51
Dielectric	PTFE	1.68
Outer Conductor	Tin Plated Copper Tube	2.2

ENVIRONMENTAL SPECIFICATIONS	
Performance Property	°C
Installation Temperature Range	--
Storage Temperature Range	--
Operating Temperature Range	-55/+125

Mechanical Characteristics	mm
Min. Inside Bend Radius (mm)	7.63



## Semi-rigid 0.141

CONSTRUCTION SPECIFICATIONS		
Description	Material	(mm)
Inner Conductor	Silver Plated Copper	0.92
Dielectric	PTFE	2.98
Outer Conductor	Tin Plated Copper Tube	3.58

ENVIRONMENTAL SPECIFICATIONS	
Performance Property	°C
Installation Temperature Range	--
Storage Temperature Range	--
Operating Temperature Range	-55/+125

Mechanical Characteristics	mm
Min. Inside Bend Radius (mm)	12.5



## Semi-Flexible 0.086

CONSTRUCTION SPECIFICATIONS		
Description	Material	(mm)
Inner Conductor	Silver Plated Copper	0.51
Dielectric	PTFE	1.66
Outer Conductor	Tin Plated Copper Tube	2.1

ENVIRONMENTAL SPECIFICATIONS	
Performance Property	°C
Installation Temperature Range	--
Storage Temperature Range	--
Operating Temperature Range	-55/+125

Mechanical Characteristics	mm
Min. Inside Bend Radius Static(mm)	6
Min. Inside Bend Radius Repeated (mm)	20



## Semi-Flexible 0.141

CONSTRUCTION SPECIFICATIONS		
Description	Material	(mm)
Inner Conductor	Silver Plated Copper	0.92
Dielectric	PTFE	2.98
Outer Conductor	Tin Plated Copper Tube	3.52

ENVIRONMENTAL SPECIFICATIONS	
Performance Property	°C
Installation Temperature Range	--
Storage Temperature Range	--
Operating Temperature Range	-55/+125

Mechanical Characteristics	mm
Min. Inside Bend Radius Static(mm)	8
Min. Inside Bend Radius Repeated (mm)	40