

## SEMI-FLEXIBLE CABLES

Easy to strip, flexible alternative to standard semi-rigid construction. It offer outstanding performance in almost any environment.

- Low SWR (1.25:1 to 40 GHz typical).
- Excellent shielding effectiveness.
- Precision phase matching.

# 670-141 Semi-Flexible Series Cable



### Construction Specification

	Material	Diameter (mm)
1. Inner Conductor	Silver Plated Copper Clad Steel Silver Plated Copper	0,92
2. Dielectric	PTFE	2,98
3. Outer Conductor	Tin Soaked Copper Braid	3,52



### Attenuation and Avg. Power (20°C)

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (KW)
0,5	26,0	436,5
1,0	39,0	303,4
5,0	92,0	126,7
10,0	138,0	85,5
20,0	210,0	56,6

### SPECIFICATIONS

#### ELECTRICAL CHARACTERISTICS

**Capacitance:** 95,1 pF/m  
**Impedance:** 50 ohm  
**Velocity:** 70%  
**Operating Frequency:** 34 GHz  
**Time Delay:** 4,7 ns/m  
**Max. Operating Voltage:** 1,9 kVrms  
**Min. Screening Effectiveness up to 18GHz:** 100 dB

#### MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

**Min. Bend Radius Static:** 8 mm  
**Min. Bend Radius Repeated:** 40 mm  
**Operating Temp.:** -55 – 125°C

PART NO.	DESCRIPTION
39000141	670-141 Semi-Flexible Series Cable