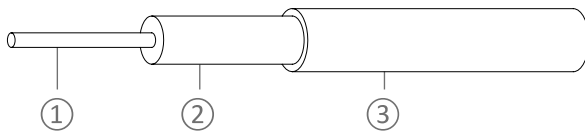


# SR085 & SR141 Cable

## ► Features and benefits

- Frequency ranges from DC to 40 GHz
- Fits into the small systems
- Cost-efficient

## ► Cable Design



Description	Diameter (mm)		
	SR085	SR141	
① Center conductor	Silver-plated copper wire	0.51	0.92
② Dielectric	Solid PTFE	-	-
③ 1st outer conductor	Seamless copper tubing, tin-plated	2.2	3.58

### Electrical

	SR085	SR141
Impedance	50 Ω	50 Ω
Operating frequency	40 GHz	30 GHz
Capacitance	95 pF/m	95 pF/m
Velocity of propagation	69% nom.	69.5% nom.
Time delay	4.82 ns/m	4.82 ns/m
RF leakage (dB)	-100	-100

### Mechanical & Environmental

	SR085	SR141
Minimum bend radius (mm)	3.18	6.35
Weight (g/m)	21	45
Temperature	-40°C to +125°C	-40°C to 125°C

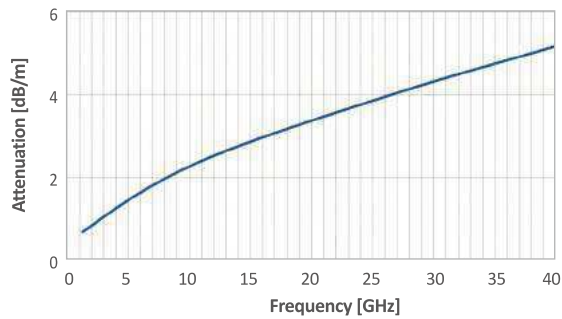
### Suitable Connectors

Cable selection		Standard Connector selection						Drawing Page
		SMA type		N type		2.92mm type		
P/N	Frequency (GHz)	Straight	R/A	Straight	R/A	Straight	R/A	
SR085	18 GHz	SMS302 SFS302(Jack) SBS302(Jack, Bulkhead)	-	-	-	-	-	86p
	40 GHz	-	-	-	-	KMS301 KFS301(Jack) KBS301(Jack, Bulkhead)	-	86p
SR141	18 GHz	SMS303 SFS303(Jack) SBS303(Jack, Bulkhead)	-	-	-	-	-	86p
	30 GHz	-	-	-	-	KMS303 KFS303(Jack) KBS303(Jack, Bulkhead)	-	86p

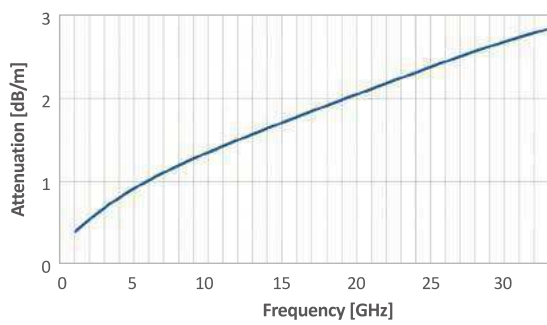
# SR085 & SR141 Cable

## ► Attenuation & Power

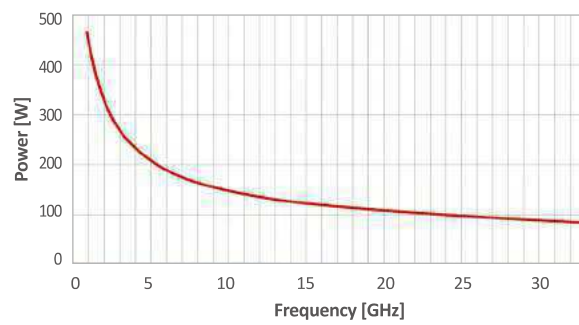
### • SR085 Attenuation



### • SR141 Attenuation



### • SR141 Power



## ► Test Result

