

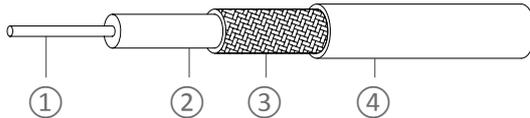
SF085 & SF141 Cable

► Features and benefits

- Frequency ranges from DC to 40 GHz
- Hand-formability
- Good flexibility
- Cost-efficient



► Cable Design



Description	Diameter (mm)		
	SF085	SF141	
① Center conductor	Silver-plated copper wire, Solid	0.52	0.94
② Dielectric	Solid PTFE	-	-
③ Outer Shield	Tinned Copper	-	-
④ Jacket	Fluorinated Ethylene Propylene	2.78	4.58

Electrical

	SF085	SF141
Impedance	50 Ω	50 Ω
Operating frequency	40 GHz	30 GHz
Capacitance	95 pF/m	95 pF/m
Velocity of propagation	71% nom.	71% nom.
Time delay	4.7 ns/m	4.7 ns/m
RF leakage (dB)	-100	-100

Mechanical & Environmental

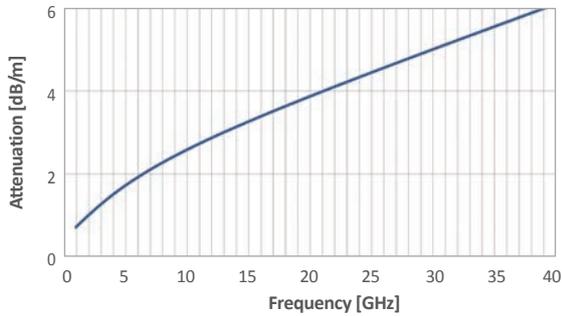
	SF085	SF141
Minimum bend radius (mm)	6	10
Weight (g/m)	21	45
Temperature	-40°C to +125°C	-40°C to +125°C

Suitable Connectors

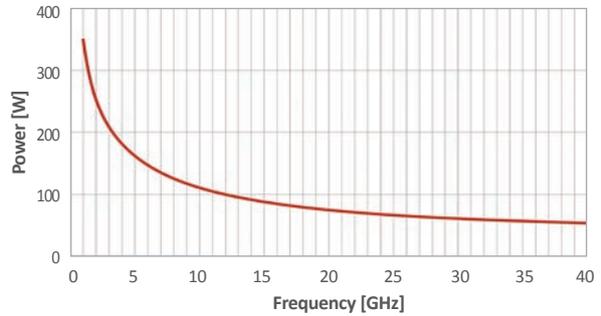
Cable selection		Standard Connector selection						Drawing Page
		SMA type		N type		2.92mm type		
P/N	Frequency (GHz)	Straight	R/A	Straight	R/A	Straight	R/A	
SF085	18 GHz	SMS302 SFS302(Jack)	SBS302	-	-	-	-	87p
	40 GHz	-	-	-	-	KMS301 KFS301(Jack) KBS301(Jack, Bulkhead)	-	87p
SF141	18 GHz	SMS303 SFS303(Jack)	SBS303	-	-	-	-	87p
	30 GHz	-	-	-	-	KMS303 KFS303(Jack) KBS303(Jack, Bulkhead)	-	87p

► Attenuation & Power

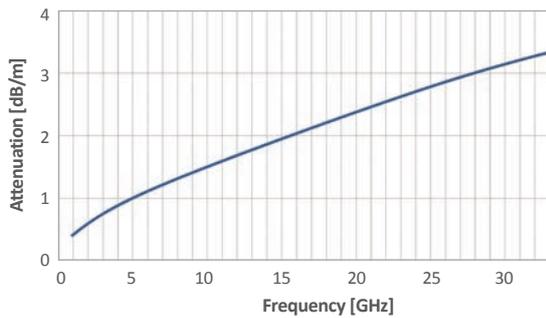
• SF085 Attenuation



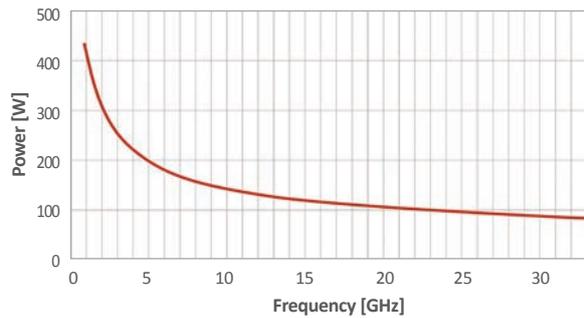
• SF085 Power



• SF141 Attenuation



• SF141 Power



► Test Result

