

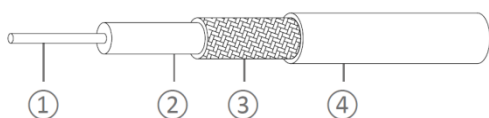
Semi-Flexible Microwave Cable SF085 & SF141

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► Features and benefits

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

► Cable Design



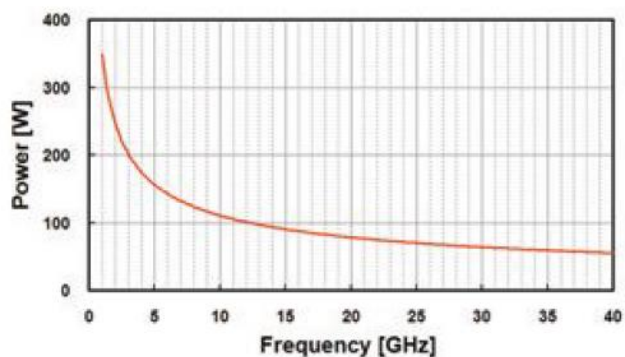
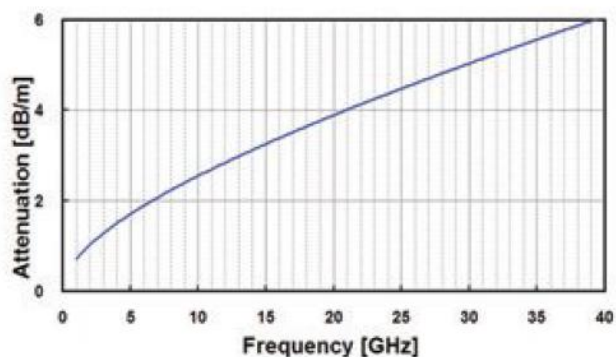
Description		Diameter (mm)				
		SF085	SF141			
① Center conductor	Silver-plated copper wire	0.52	0.94			
② Dielectric	Solid PTFE	-	-			
③ Outer Shield	Tinned Copper	-	-			
④ Jacket	Fluorinated Ethylene Propylene	2.78	4.58			
Electrical		SF085	SF141			
Impedance		50 Ω	50 Ω			
Operating frequency		DC to 40 GHz	DC to 30 GHz			
Capacitance		95 pF/m	95 pF/m			
Velocity of propagation		71 % nom.	71 % nom.			
Time delay		4.70 ns/m	4.70 ns/m			
RF leakage		<-100 dB	<-100 dB			
Mechanical & Environmental		SF085	SF141			
Minimum bend radius		6 mm	10 mm			
Weight		21 g/M	45 g/M			
Temperature		-40°C to + 125°C	-40°C to + 125°C			
Suitable Connectors						
Cable Selection		Standard Connector selection				
		SMA type		N-type	K-type	
P/N	Frequency (GHz)	Straight	R/A	Straight	R/A	Straight
SF085	18	SMS302 SFS302(Jack) SBS302(Jack, Bulkhead)	-	-	-	-
	40	-	-	-	-	KMS301 KFS301(Jack) KBS301(Jack, Bulkhead)
SF141	18	SMS303 SFS303(Jack) SBS303(Jack, Bulkhead)	-	-	-	-
	30	-	-	-	-	KMS303 KFS303(Jack) KBS303(Jack, Bulkhead)

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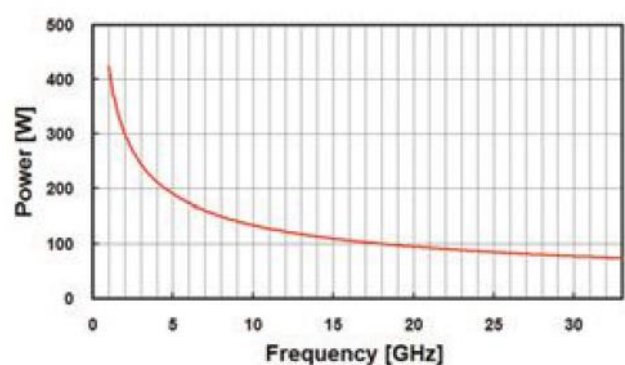
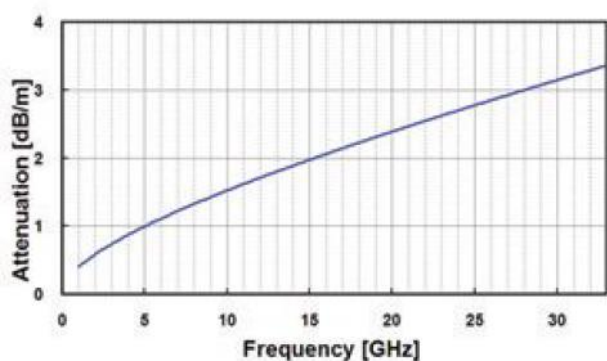
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► Cable Attenuation & Power

● SF085



● SF141



► Test Result

