

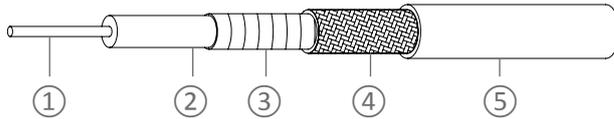
# MF085 & MF141 Cable

## ► Features and benefits

- Frequency ranges from DC to 40 GHz
- High Flexibility
- Cost-efficient



## ► Cable Design



Description	Diameter (mm)		
	MF085	MF141	
① Center conductor	Silver-plated copper wire	0.51	0.92
② Dielectric	Solid PTFE	-	-
③ 1st outer conductor	Silver-plated copper tape	-	-
④ 2nd outer conductor	Silver-plated copper braid	-	-
⑤ Jacket	Fluorinated Ethylene Propylene, blue	2.68	4.14

### Electrical

	MF085	MF141
Impedance	50 Ω	50 Ω
Operating frequency	40 GHz	30 GHz
Capacitance	95 pF/m	95 pF/m
Velocity of propagation	70.6% nom.	70.6% nom.
Time delay	4.7 ns/m	4.7 ns/m
RF leakage (dB)	-100	-100

### Mechanical & Environmental

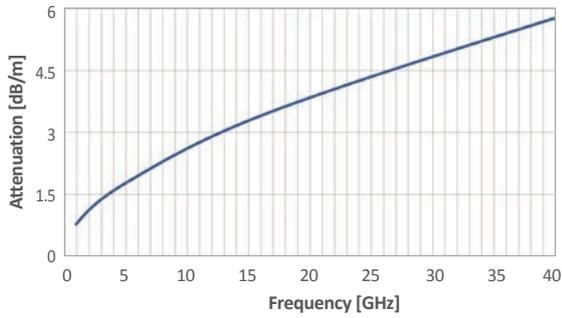
	MF085	MF141
Minimum bend radius (mm)	6	10
Weight (g/m)	21	45
Temperature	-55°C to + 135°C	-55°C to + 135°C

### Suitable Connectors

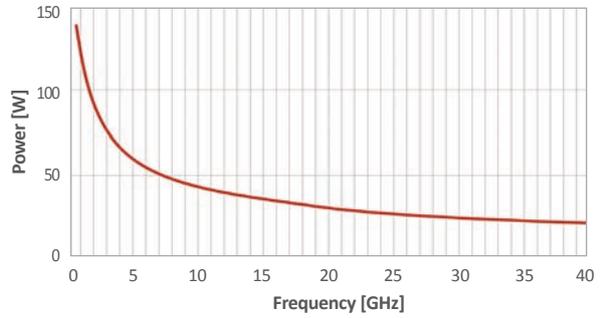
Cable selection		Standard Connector selection						Drawing Page
		SMA type		N type		29.2mm type		
P/N	Frequency (GHz)	Straight	R/A	Straight	R/A	Straight	R/A	
MF085	18 GHz	SMS101 SFS101 (Jack) SBS101(Jack, Bulkhead)	-	-	-	-	-	85p
	40 GHz	-	-	-	-	KMS101 KFS101(Jack) KBS101(Jack, Bulkhead)	-	85p
MF141	18 GHz	SMS102 SFS102 (Jack) SBS102(Jack, Bulkhead)	-	NMS101	-	-	-	85p
	30 GHz	-	-	-	-	KMS103 KFS103 (Jack) KBS103 (Jack, Bulkhead)	-	85p

## ► Attenuation & Power

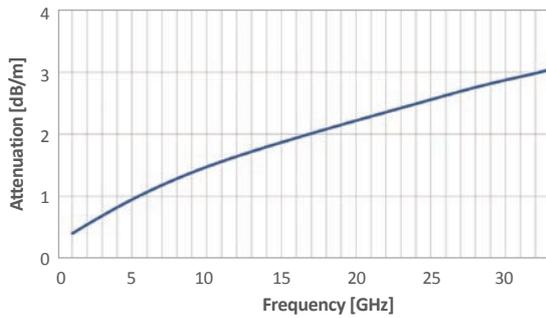
• MF085 Attenuation



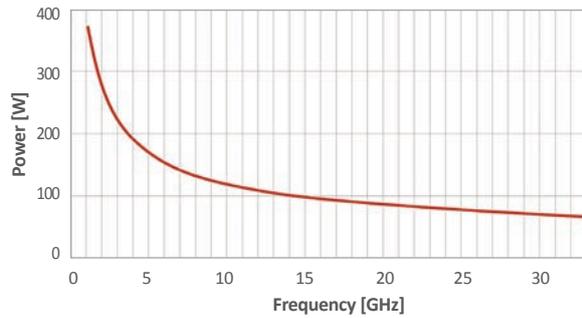
• MF085 Power



• MF141 Attenuation



• MF141 Power



## ► Test Result

