

Ürün Kodu	50Ω	7/8" Feeder Cable
RF5078		



PHYSICAL PROPERTY

Inner Conductor	Smooth Copper Tube	0.352 in	8.95±0.05 mm
Insulation	Physically Foamed PE	0.885 in	22.50±0.40 mm
1st Outer Conductor	Ring Corrugated Copper	0.980 in	24.90±0.30 mm
2nd Outer Conductor	-	-	-
Jacket	PE or Fire Retardant PE	1.074 in	27.30±0.20 mm

ELECTRICAL PROPERTY

Cut-off Frequency	5.0 GHz	-
Characteristic Impedance	50Ω	-
Velocity of Propagation, Nom.	88 %	-
Capacitance, Nom.	75 PF/m	-
Screening Attenuation	>>120dB	-
Peak Power	91kW	-
DC Breakdown Voltage	6.0kV	-
Insulation Resistance	>5x 10 ³	-

MECHANICAL SPECIFICATIONS

Bending Radius	Single	120
	Repeated	250
	Moving	500
Pulling Strength	1470N	
Crush Resistance	1.4 kg/mm	
Recommended Temp.	Store	-70~+85°C
	Installation	-40~+60°C
	Operation	-55~+85°C

ATTENUATION AND AVERAGE POWER

Frequency (MHz)	10	100	200	450	800	900	1000	1500	1800	2000	2500	3000
Attenuation dB/100 m	0.366	1.19	1.72	2.65	3.63	3.88	4.12	5.18	5.75	6.11	6.95	7.76
Avg. Power KW	24.6	7.56	5.26	3.41	2.48	2.33	2.19	1.74	1.57	1.48	1.30	1.16

VSWR

800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

Maximum attenuation value shall be 105% of the nominal attenuation value

For fire retardant jacket, recommended temperatures are;
Store temperature -30~+80°C
Installation temperature -25~+60°C
Operation temperature -30~+80°C