


Product Specification



7/8" flexible feeder cable
Model No.:HT.COC-RF0727-7/8

Construction				 <p>1: Inner Conductor 2: Insulation 3: Outer Conductor 4: Jacket</p>		
Inner Conductor	Material	Smooth copper tube				
	Diameter(mm)	9.00±0.05				
Insulation	Material	Physically Foamed PE				
	Diameter(mm)	22.30±0.30				
Outer Conductor	Material	Ring Corrugated Copper				
	Diameter(mm)	24.90±0.20				
Attenuation and average power				Frequency MHz	Nom. attenuation @20℃,dB/100m	Power rate @20℃,kW
Jacket	Material	PE or Fire Retardant PE		100	1.17	8.62
	Diameter(mm)	27.50±0.20		200	1.69	5.99
Mechanical properties				450	2.60	3.88
Min Single Bending Radius(mm)		90		800	3.56	2.83
Min Repeated Bending Radius(mm)		250		900	3.80	2.65
No.of Bends		15		1000	4.03	2.50
Tensile Strength(kg)		147		1500	5.08	1.99
Recommended Temperature (℃)	PE jacket	Store	- 70~+85	1800	5.61	1.79
		Installation	- 40~+60	2000	6.05	1.68
		Operation	- 55~+85	2200	6.40	1.59
				2400	6.75	1.54
	Fire retardant PE jacket	Store	- 30~+80	2500	6.90	1.50
		Installation	- 25~+60	3000	7.60	1.33
		Operation	- 30~+80	3300	8.25	1.27
				3500	8.55	1.23
Electrical properties				3600	8.70	1.21
Impedance(Ω)		50±1		4000	9.28	1.13
Capacitance(PF/m)		76		Maximum attenuation value shall be 105% of the nominal attenuation value		
Peak power(kW)		91		VSWR		
Propagation velocity(%)		88		820~960 MHz	≤1.15	
RF Peak Voltage(KV)		3		1700~2200 MHz	≤1.15	
Insulation resistance(MΩ•km)		>5×10 ³		2300~2400 MHz	≤1.15	
Insulation Voltage(KVrms)		8		2500~2700 MHz	≤1.15	
Inner Conductor DC Resistance(Ω/km)		1.00		Standards		
Outer Conductor DC Resistance(Ω/km)		1.20		2011/65/EU	Compliant	
Jacket Spark(KVrms)		8		IEC61196.1-2005	Compliant	
Screening attenuation(dB)		>>120				
Cut-off frequency (GHz)		5.2				

HeFei HTMICROWAVE Technology CO.,LTD.
 ADD:No.1698, XiYou Road, HTMICROWAVE
 Industrial Park,HeFei,230088,AnHui, China.
 TEL: +86-551-62725878 FAX: +86-551-62725889
 E-mail: sales@htmicrowave.com
 Web:www.htmicrowave.com