

# 1/4" Feeder Cable Super Flex



An ISO 9001: 2015 Certified Company



## Technical Specifications:

Maximum Operating Frequency	20.4 GHz
Characteristics Impedance	50±1 Ω
Capacitance	83 pF/m
Inner Conductor DC Resistance	≤ 9.80Ω
Outer Conductor DC Resistance	≤ 6.50Ω
Dielectric Strength	2000 V
Shielding Attenuation	≥ 120 dB
Peak Power Rating	6.4 KW
Insulation Resistance	≥ 10000 MΩ.km
Relative Propagation Velocity	81±3 %
Nominal Weight	66 kg/km
ROHS	Complaint

## Construction

Item	HFSC(-FR)	Diameter(mm)
Inner Conductor	Copper clad aluminum wire	1.90 ± 0.03
Dielectric	Foamed Polyethylene	4.85 ± 0.15
Outer Conductor	Corrugated copper tube	6.40 ± 0.15
Jacket	*Standard black PE or F-R/H-F black PE	7.50 ± 0.15

## VSWR

800~1000 MHz	≤ 1.10
1700~2200 MHz	≤ 1.13
2200~4000 MHz	≤ 1.15
4000~6000 MHz	≤ 1.20

## Operating Temperature

Standard Jacket	-55°C to +85°C
FR Jacket	-30°C to +80°C

## Attenuation & Power

Frequency	Attenuation dB/100Mtr	Average Power
30 MHz	3.15	2.08 KW
100 MHz	5.82	1.13 KW
150 MHz	7.17	0.92 KW
450 MHz	12.70	0.52 KW
824 MHz	17.60	0.38 KW
894 MHz	18.40	0.36 KW
960 MHz	19.10	0.35 KW
1000 MHz	19.50	0.34 KW
1700 MHz	26.10	0.26 KW
1800 MHz	26.90	0.25 KW
2000 MHz	28.50	0.24 KW
2400 MHz	31.60	0.22 KW
3000 MHz	35.80	0.19 KW
4000 MHz	42.20	0.16 KW
6000 MHz	53.40	0.13 KW

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