

KF141HP

Low Loss, Phase and Amplitude Stable Coaxial Cable



MATERIAL SPECIFICATION

Inner Conductor	Silver Plated Copper (0.72mm)
Dielectric	Low Density PTFE (2.21mm)
First Shield	Silver Plated Copper Tape (2.40mm)
Separation Layer	PTFE Coated Aluminium Foil (2.80mm)
Outer Conductor	Silver Plated Copper Braid (3.15mm)
Jacket	FEP (3.60mm)

ELECTRICAL SPECIFICATION

Impedance	50 Ohms
Max. Frequency	DC to 50 GHz
Velocity of Propagation	76%
Voltage Withstanding	500V RMS Maximum

MECHANICAL & ENVIRONMENTAL SPECIFICATION

Bending Radius (static)	18mm
Bending Radius (flexing)	36mm
Weight	34 gms/m
RoHS Compliant	Yes
Temperature Range	-55 to +165 degrees C

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FREQUENCY	ATTENUATION (per 100m)	AVERAGE POWER (kW)
300 MHz	23.9 dB	0.75
1000 MHz	43.8 dB	0.409
2000 MHz	62.2 dB	0.288
6000 MHz	108.8 dB	0.165
8000 MHz	126.1 dB	0.142
10000 MHz	141.5 dB	0.127
12,000 MHz	155.4 dB	0.115
16,000 MHz	180.43 dB	0.106
18,000 MHz	191.8 dB	0.093
26,500 MHz	234.8 dB	0.076
40,000 MHz	291.7 dB	0.061

