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RF CABLES
K120, V120 DC to 65 GHz



K120



V120

Semi-rigid RF cable features

- Up to 65 GHz frequency ranges
- Type N, K Connector, and V Connector
- K Connector compatibility with SMA and 3.5 mm
- V Connector compatibility with 2.4 mm

Specifications

Model	Frequency range (GHz)	Impedance (Ω)	Length	Connectors
N120-6	DC to 18	50	15 cm	N(m) - N(m)
NS120MF-6	DC to 18	50	15 cm	N(m) - SMA(f)
K120MM	DC to 40	50	See table	K(m) - K(m)
K120MF	DC to 40	50	See table	K(m) - K(f)
K120FF	DC to 40	50	See table	K(f) - K(f)
V120MM	DC to 65	50	See table	V(m) - V(m)
V120MF	DC to 65	50	See table	V(m) - V(f)
V120FF	DC to 65	50	See table	V(f) - V(f)

Temperature range: –55°C to +125°C

Semi-rigid coaxial cable specifications for K Connectors

Type	Semi-rigid coaxial, tin or tin/bismuth plated copper outer conductor, silver-plated copper center conductor.
Impedance	50 ± 2 Ω
Dielectric type	Microporous PTFE
Dielectric constant	1.687
Relative velocity	0.78
Outside diameter	2.95 mm (typical)
Center conductor diameter	0.81 mm
Minimum bend radius	1.3 cm
Attenuation	1.6 dB/m at 10 GHz 2.3 dB/m at 20 GHz 3.3 dB/m at 30 GHz 4.7 dB/m at 40 GHz
K118 semi-rigid coaxial cable	1.52 m length of 2.95 mm Semi-rigid cable for K101 series connector

Contact Anritsu Company for low loss, low VSWR cable bending services.

Semi-rigid coaxial cable specifications for V Connectors

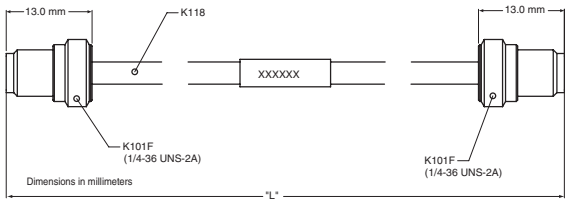
Type	Semi-rigid coaxial, tin-plated copper outer conductor, silver-plated copper center conductor.
Impedance	50 ±2Ω
Dielectric type	Microporous PTFE
Dielectric constant	1.687
Relative velocity	0.78
Outside diameter	2.18 mm (typical)
Center conductor diameter	0.51 mm
Minimum bend radius	1.0 cm
Attenuation	2.3 dB/m at 10 GHz 3.6 dB/m at 20 GHz 4.3 dB/m at 30 GHz 5.2 dB/m at 40 GHz 7.2 dB/m at 60 GHz

RF CABLES

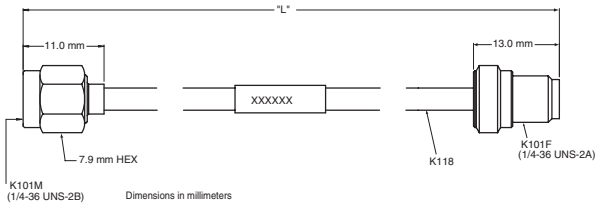
K120, V120 DC to 65 GHz

Cable assembly part number reference

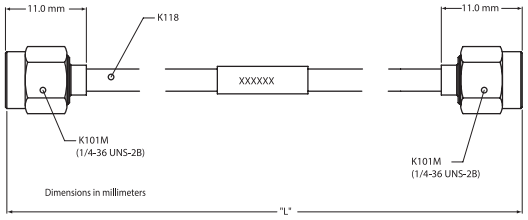
Length	Metric cable assemblies					
cm	K120MM	K120MF	K120FF	V120MM	V120MF	V120FF
5	K120MM-5CM	K120MF-5CM	K120FF-5CM	V120MM-5CM	V120MF-5CM	V120FF-5CM
10	K120MM-10CM	K120MF-10CM	K120FF-10CM	V120MM-10CM	V120MF-10CM	V120FF-10CM
15	K120MM-15CM	K120MF-15CM	K120FF-15CM	V120MM-15CM	V120MF-15CM	V120FF-15CM
20	K120MM-20CM	K120MF-20CM	K120FF-20CM	V120MM-20CM	V120MF-20CM	V120FF-20CM
25	K120MM-25CM	K120MF-25CM	K120FF-25CM	V120MM-25CM	V120MF-25CM	V120FF-25CM
30	K120MM-30CM	K120MF-30CM	K120FF-30CM	V120MM-30CM	V120MF-30CM	V120FF-30CM
35	K120MM-35CM	K120MF-35CM	K120FF-35CM	V120MM-35CM	V120MF-35CM	V120FF-35CM
40	K120MM-40CM	K120MF-40CM	K120FF-40CM	V120MM-40CM	V120MF-40CM	V120FF-40CM
45	K120MM-45CM	K120MF-45CM	K120FF-45CM	V120MM-45CM	V120MF-45CM	V120FF-45CM
50	K120MM-50CM	K120MF-50CM	K120FF-50CM	V120MM-50CM	V120MF50CM	V120FF-50CM
60	K120MM-60CM	K120MF-60CM	K120FF-60CM	V120MM-60CM	V120MF-60CM	V120FF-60CM
70	K120MM-70CM	K120MF-70CM	K120FF-70CM	V120MM-70CM	V120MF-70CM	V120FF-70CM
80	K120MM-80CM	K120MF-80CM	K120FF-80CM	V120MM-80CM	V120MF-80CM	V120FF-80CM
90	K120MM-90CM	K120MF-90CM	K120FF-90CM	V120MM-90CM	V120MF-90CM	V120FF-90CM
100	K120MM-100CM	K120MF-100CM	K120FF-100CM	V120MM-100CM	V120MF-100CM	V120FF-100CM
125	K120MM-125CM	K120MF-125CM	K120FF-125CM	V120MM-125CM	V120MF-125CM	V120FF-125CM
150	K120MM-150CM	K120MF-150CM	K120FF-150CM	V120MM-150CM	V120MF-150CM	V120FF-150CM



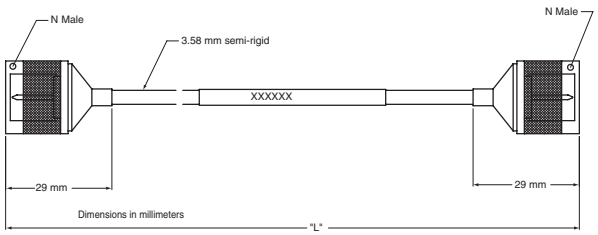
K120FF outline



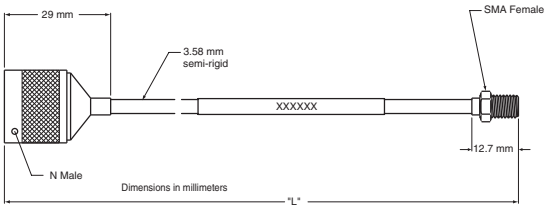
K120MF outline



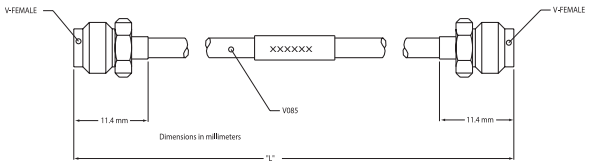
K120MM outline



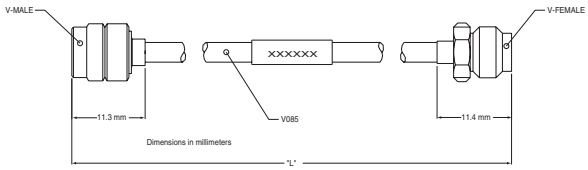
N120-6 outline



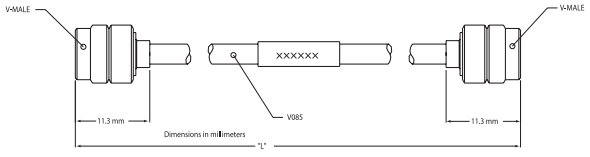
NS120MF-6 outline



V120FF outline



V120MF outline



V120MM outline

RF CABLES

K120, V120 DC to 65 GHz

Ordering information

Please specify model/order number, name and quantity when ordering.

Model/Order No.	Name
	Cable, semi-rigid
N120-6	DC to 18 GHz, 50 Ω, 15 cm, N(m) to N(m)
NS120MF-6	DC to 18 GHz, 50 Ω, 15 cm, N(m) to SMA(f)
K120MM-5CM	DC to 40 GHz, 50 Ω, 5 cm, K(m) to K(m)
K120MM-10CM	DC to 40 GHz, 50 Ω, 10 cm, K(m) to K(m)
K120MM-15CM	DC to 40 GHz, 50 Ω, 15 cm, K(m) to K(m)
K120MM-20CM	DC to 40 GHz, 50 Ω, 20 cm, K(m) to K(m)
K120MM-25CM	DC to 40 GHz, 50 Ω, 25 cm, K(m) to K(m)
K120MM-30CM	DC to 40 GHz, 50 Ω, 30 cm, K(m) to K(m)
K120MM-35CM	DC to 40 GHz, 50 Ω, 35 cm, K(m) to K(m)
K120MM-40CM	DC to 40 GHz, 50 Ω, 40 cm, K(m) to K(m)
K120MM-45CM	DC to 40 GHz, 50 Ω, 45 cm, K(m) to K(m)
K120MM-50CM	DC to 40 GHz, 50 Ω, 50 cm, K(m) to K(m)
K120MM-60CM	DC to 40 GHz, 50 Ω, 60 cm, K(m) to K(m)
K120MM-70CM	DC to 40 GHz, 50 Ω, 70 cm, K(m) to K(m)
K120MM-80CM	DC to 40 GHz, 50 Ω, 80 cm, K(m) to K(m)
K120MM-90CM	DC to 40 GHz, 50 Ω, 90 cm, K(m) to K(m)
K120MM-100CM	DC to 40 GHz, 50 Ω, 100 cm, K(m) to K(m)
K120MM-125CM	DC to 40 GHz, 50 Ω, 125 cm, K(m) to K(m)
K120MM-150CM	DC to 40 GHz, 50 Ω, 150 cm, K(m) to K(m)
K120MF-5CM	DC to 40 GHz, 50 Ω, 5 cm, K(m) to K(f)
K120MF-10CM	DC to 40 GHz, 50 Ω, 10 cm, K(m) to K(f)
K120MF-15CM	DC to 40 GHz, 50 Ω, 15 cm, K(m) to K(f)
K120MF-20CM	DC to 40 GHz, 50 Ω, 20 cm, K(m) to K(f)
K120MF-25CM	DC to 40 GHz, 50 Ω, 25 cm, K(m) to K(f)
K120MF-30CM	DC to 40 GHz, 50 Ω, 30 cm, K(m) to K(f)
K120MF-35CM	DC to 40 GHz, 50 Ω, 35 cm, K(m) to K(f)
K120MF-40CM	DC to 40 GHz, 50 Ω, 40 cm, K(m) to K(f)
K120MF-45CM	DC to 40 GHz, 50 Ω, 45 cm, K(m) to K(f)
K120MF-50CM	DC to 40 GHz, 50 Ω, 50 cm, K(m) to K(f)
K120MF-60CM	DC to 40 GHz, 50 Ω, 60 cm, K(m) to K(f)
K120MF-70CM	DC to 40 GHz, 50 Ω, 70 cm, K(m) to K(f)
K120MF-80CM	DC to 40 GHz, 50 Ω, 80 cm, K(m) to K(f)
K120MF-90CM	DC to 40 GHz, 50 Ω, 90 cm, K(m) to K(f)
K120MF-100CM	DC to 40 GHz, 50 Ω, 100 cm, K(m) to K(f)
K120MF-125CM	DC to 40 GHz, 50 Ω, 125 cm, K(m) to K(f)
K120MF-150CM	DC to 40 GHz, 50 Ω, 150 cm, K(m) to K(f)
K120FF-5CM	DC to 40 GHz, 50 Ω, 5 cm, K(f) to K(f)
K120FF-10CM	DC to 40 GHz, 50 Ω, 10 cm, K(f) to K(f)
K120FF-15CM	DC to 40 GHz, 50 Ω, 15 cm, K(f) to K(f)
K120FF-20CM	DC to 40 GHz, 50 Ω, 20 cm, K(f) to K(f)
K120FF-25CM	DC to 40 GHz, 50 Ω, 25 cm, K(f) to K(f)
K120FF-30CM	DC to 40 GHz, 50 Ω, 30 cm, K(f) to K(f)
K120FF-35CM	DC to 40 GHz, 50 Ω, 35 cm, K(f) to K(f)
K120FF-40CM	DC to 40 GHz, 50 Ω, 40 cm, K(f) to K(f)
K120FF-45CM	DC to 40 GHz, 50 Ω, 45 cm, K(f) to K(f)
K120FF-50CM	DC to 40 GHz, 50 Ω, 50 cm, K(f) to K(f)
K120FF-60CM	DC to 40 GHz, 50 Ω, 60 cm, K(f) to K(f)
K120FF-70CM	DC to 40 GHz, 50 Ω, 70 cm, K(f) to K(f)
K120FF-80CM	DC to 40 GHz, 50 Ω, 80 cm, K(f) to K(f)
K120FF-90CM	DC to 40 GHz, 50 Ω, 90 cm, K(f) to K(f)
K120FF-100CM	DC to 40 GHz, 50 Ω, 100 cm, K(f) to K(f)
K120FF-125CM	DC to 40 GHz, 50 Ω, 125 cm, K(f) to K(f)
K120FF-150CM	DC to 40 GHz, 50 Ω, 150 cm, K(f) to K(f)

Model/Order No.	Name
	Cable, semi-rigid
V120MM-5CM	DC to 65 GHz, 50 Ω, 5 cm, V(m) to V(m)
V120MM-10CM	DC to 65 GHz, 50 Ω, 10 cm, V(m) to V(m)
V120MM-15CM	DC to 65 GHz, 50 Ω, 15 cm, V(m) to V(m)
V120MM-20CM	DC to 65 GHz, 50 Ω, 20 cm, V(m) to V(m)
V120MM-25CM	DC to 65 GHz, 50 Ω, 25 cm, V(m) to V(m)
V120MM-30CM	DC to 65 GHz, 50 Ω, 30 cm, V(m) to V(m)
V120MM-35CM	DC to 65 GHz, 50 Ω, 35 cm, V(m) to V(m)
V120MM-40CM	DC to 65 GHz, 50 Ω, 40 cm, V(m) to V(m)
V120MM-45CM	DC to 65 GHz, 50 Ω, 45 cm, V(m) to V(m)
V120MM-50CM	DC to 65 GHz, 50 Ω, 50 cm, V(m) to V(m)
V120MM-60CM	DC to 65 GHz, 50 Ω, 60 cm, V(m) to V(m)
V120MM-70CM	DC to 65 GHz, 50 Ω, 70 cm, V(m) to V(m)
V120MM-80CM	DC to 65 GHz, 50 Ω, 80 cm, V(m) to V(m)
V120MM-90CM	DC to 65 GHz, 50 Ω, 90 cm, V(m) to V(m)
V120MM-100CM	DC to 65 GHz, 50 Ω, 100 cm, V(m) to V(m)
V120MM-125CM	DC to 65 GHz, 50 Ω, 125 cm, V(m) to V(m)
V120MM-150CM	DC to 65 GHz, 50 Ω, 150 cm, V(m) to V(m)
V120MF-5CM	DC to 65 GHz, 50 Ω, 5 cm, V(m) to V(f)
V120MF-10CM	DC to 65 GHz, 50 Ω, 10 cm, V(m) to V(f)
V120MF-15CM	DC to 65 GHz, 50 Ω, 15 cm, V(m) to V(f)
V120MF-20CM	DC to 65 GHz, 50 Ω, 20 cm, V(m) to V(f)
V120MF-25CM	DC to 65 GHz, 50 Ω, 25 cm, V(m) to V(f)
V120MF-30CM	DC to 65 GHz, 50 Ω, 30 cm, V(m) to V(f)
V120MF-35CM	DC to 65 GHz, 50 Ω, 35 cm, V(m) to V(f)
V120MF-40CM	DC to 65 GHz, 50 Ω, 40 cm, V(m) to V(f)
V120MF-45CM	DC to 65 GHz, 50 Ω, 45 cm, V(m) to V(f)
V120MF-50CM	DC to 65 GHz, 50 Ω, 50 cm, V(m) to V(f)
V120MF-60CM	DC to 65 GHz, 50 Ω, 60 cm, V(m) to V(f)
V120MF-70CM	DC to 65 GHz, 50 Ω, 70 cm, V(m) to V(f)
V120MF-80CM	DC to 65 GHz, 50 Ω, 80 cm, V(m) to V(f)
V120MF-90CM	DC to 65 GHz, 50 Ω, 90 cm, V(m) to V(f)
V120MF-100CM	DC to 65 GHz, 50 Ω, 100 cm, V(m) to V(f)
V120MF-125CM	DC to 65 GHz, 50 Ω, 125 cm, V(m) to V(f)
V120MF-150CM	DC to 65 GHz, 50 Ω, 150 cm, V(m) to V(f)
V120FF-5CM	DC to 65 GHz, 50 Ω, 5 cm, V(f) to V(f)
V120FF-10CM	DC to 65 GHz, 50 Ω, 10 cm, V(f) to V(f)
V120FF-15CM	DC to 65 GHz, 50 Ω, 15 cm, V(f) to V(f)
V120FF-20CM	DC to 65 GHz, 50 Ω, 20 cm, V(f) to V(f)
V120FF-25CM	DC to 65 GHz, 50 Ω, 25 cm, V(f) to V(f)
V120FF-30CM	DC to 65 GHz, 50 Ω, 30 cm, V(f) to V(f)
V120FF-35CM	DC to 65 GHz, 50 Ω, 35 cm, V(f) to V(f)
V120FF-40CM	DC to 65 GHz, 50 Ω, 40 cm, V(f) to V(f)
V120FF-45CM	DC to 65 GHz, 50 Ω, 45 cm, V(f) to V(f)
V120FF-50CM	DC to 65 GHz, 50 Ω, 50 cm, V(f) to V(f)
V120FF-60CM	DC to 65 GHz, 50 Ω, 60 cm, V(f) to V(f)
V120FF-70CM	DC to 65 GHz, 50 Ω, 70 cm, V(f) to V(f)
V120FF-80CM	DC to 65 GHz, 50 Ω, 80 cm, V(f) to V(f)
V120FF-90CM	DC to 65 GHz, 50 Ω, 90 cm, V(f) to V(f)
V120FF-100CM	DC to 65 GHz, 50 Ω, 100 cm, V(f) to V(f)
V120FF-125CM	DC to 65 GHz, 50 Ω, 125 cm, V(f) to V(f)
V120FF-150CM	DC to 65 GHz, 50 Ω, 150 cm, V(f) to V(f)

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