

**MHF1 to MHF1 Micro Coax Cable Assembly**



**General information**

MHF1 (U.FL, UMCC gen 2) to MHF1 (U.FL, UMCC gen 2) micro coaxial cable assembly.

**Typical applications**

High-frequency signal transmission in compact and complex electronic environments where miniaturized RF connections are essential. Commonly used in wireless and IoT devices, these cable assemblies facilitate antenna connections for Wi-Fi, Bluetooth, LTE, and 5G modules, as well as enable interoperability between different connector standards.

**Electrical data**

1st Connector	U.FL (UMCC), IPEX MHF1 Plug, Right Angle
1st Contact gender	female
1st Connector mounting type	free hanging (In-Line), right angle
2nd Connector	U.FL (UMCC), IPEX MHF1 Plug, Right Angle
2nd Contact gender	female
2nd Connector mounting type	free hanging (In-Line), right angle
Cable impedance [Ohm]	50
Maximal frequency [GHz]	9

**Mechanical data**

Length [mm] <sup>1)</sup>	40 +/- 1
Outer Diameter [mm]	1.13
Color <sup>2)</sup>	Black

**Environmental data**

Operating temperature [°C]	-40...+85
Storage temperature [°C]	-40...+85
Ambient relative humidity [%]	0...85
RoHS / REACH compliant	yes / yes

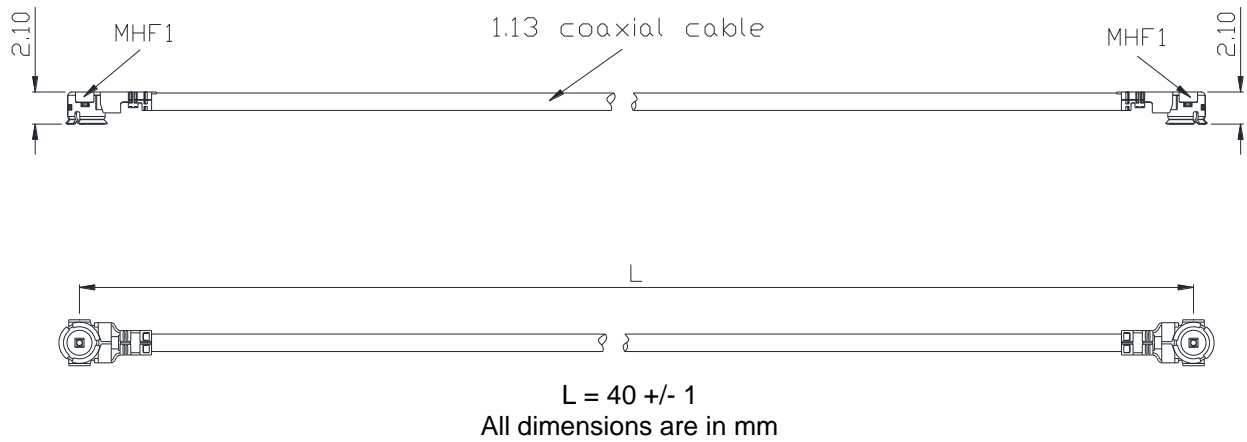
**Additional information**

<sup>1)</sup> The cable length can be customized as per requirements.

<sup>2)</sup> White color option available upon request.

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**Drawings**



**Cable attenuation per unit length**

Frequency [GHz]	Attenuation [dB/m]
0.1	0.62
1	1.94
2	2.88
3	3.95
4	4.54
5	5.40
6	6.64

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