

MHF1 to MHF4 Micro Coax Cable Assembly

General information

MHF1 (U.FL, UMCC gen 2) to MHF4 (UMCC gen 4) 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	MHF4 Plug, Right Angle
2nd Contact gender	female
2nd Connector mounting type	free hanging (In-Line), right angle
Cable impedance [Ohm]	50
Maximal frequency [GHz]	6

Mechanical data

Length [mm] ¹⁾	30 ... 500
Outer Diameter [mm]	1.13
Color ²⁾	black or white

Environmental data

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

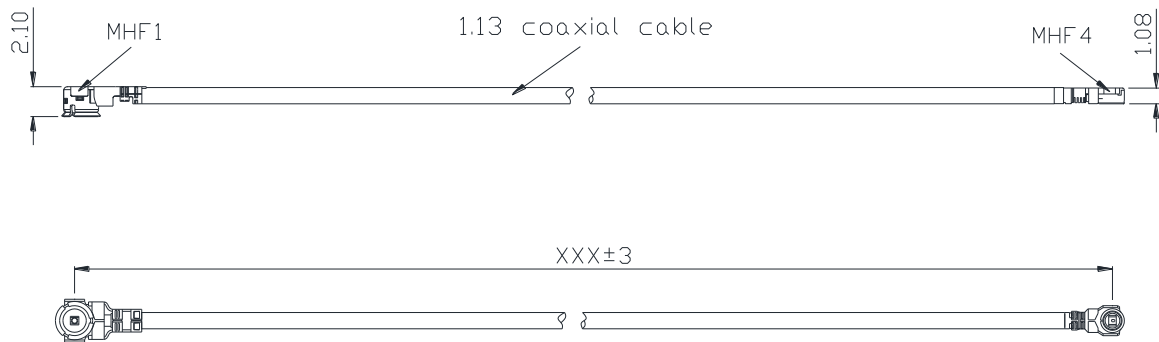
Additional information

¹⁾ The cable length can be customized as per requirements and is represented as 'XXX' in the drawings and the part numbers. E.g. XXX = 060 means a cable length of 60 mm.

²⁾ Black color option available upon request.

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Drawings



All dimensions are in mm
XXX = cable length in mm

Cable attenuation

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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