

Cardinal Test High-Frequency (HF) Cable Assemblies ➤

Cardinal Test HF Cable Assemblies are ideal for test and measurement, with frequencies up to 110 GHz using 1.0mm connectors. The 2.4mm, 3.5mm and 1.85mm Plug and Jack options are available with phase-stable, low-loss cables.



FEATURES AND ADVANTAGES

Offers high-durability options with assemblies that are both highly flexible and pinch resistant through availability of standard and armored assemblies

Includes assemblies up to 110 GHz and a multitude of adapters and ensures a solution for all test and measurement applications with high-frequency options

Delivers low density and a low dielectric constant with a velocity of propagation up to 80% due to low attenuation

Provides one of the lowest possible VSWRs along the transmission path and for the assembly as a whole as a result of impedance tolerance of +1%

Connector Styles Example	3.5mm Plug 3.5mm Jack
Cable Style Example	Flexible Phase Stable MX204 Armored MXR100
Cable Assembly Frequencies	18, 26.5, 40, 50, 67, 110 GHz



Series 73239 MX-VNA High-Frequency Cable Assemblies



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APPLICATIONS

Telecommunications and Networking

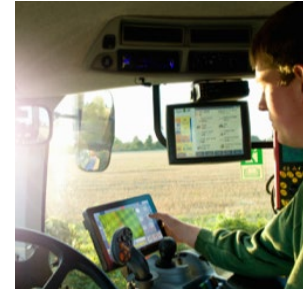
- Network systems
- Testing and instrumentation equipment
- Automated test equipment
- Wireless communications
- 5G applications
- High-speed data transmission
- Internet of things
- Smart agriculture applications



Testing and Instrumentation Equipment



Satellites



Smart Agriculture Applications

SPECIFICATIONS

18 GHz Assemblies Ultra Low Loss Variants

- Connector Styles** SMA Plug
N Plug
N Jack
- Cable Styles** Flexible Phase Stable MX204
Armored MXR100

26.5 GHz Assemblies Phase Stable Variants

- Connector Styles** 3.5mm Plug
3.5mm Jack
- Cable Styles** Flexible Phase Stable MX204
Armored MXR100

40 GHz Assemblies Phase Stable Variants

- Connector Styles** 2.92mm Plug
2.92mm Jack
- Cable Styles** Flexible Phase Stable MX204
Armored MXR100

50 GHz Assemblies Phase Stable Variants

- Connector Styles** 2.4mm Plug
2.4mm Jack
- Cable Styles** Flexible Phase Stable MX204
Armored MXR200

67 GHz Assemblies Phase Stable Variants

- Connector Styles** 1.85mm Plug
1.85mm Jack
- Cable Styles** Flexible Phase Stable MX205
Armored MXR300

110 GHz Assemblies Phase Stable Variants

- Connector Styles** 1.0mm Plug
1.0mm Jack
- Cable Styles** Flexible Phase Stable MX601
Armored MXR110

*Cable assembly variants based on assembly frequency

Reference Individual drawings for the cable assembly mechanical and electrical specifications [here](#)

www.molex.com/en-us/products/cable-assemblies/rf-cable-assemblies