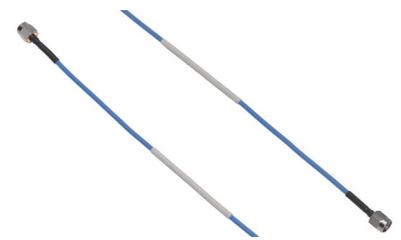


Flexible Microwave Cable Assemblies >

High-performance Flexible Microwave Cable Assemblies replace stiff and difficult-to-install semi-rigid assemblies. Assemblies are constructed from Temp-Flex coaxial cable and Molex RF Connectors, offer excellent electrical properties and are assembled using proprietary techniques to minimize voltage standing wave ratio (VSWR) and insertion loss (IL) for the ideal cable and connector combination.

The cable assemblies come standard with Silver-plated conductors, fluoropolymer dielectric, double shields and a fluoropolymer jacket. The solid-core low-loss cables use low and consistent dielectric design with 70% velocity of propagation (VoP). Connector options include SMA, 2.92mm, SMP, SMPM and many others.



Flexible Low-Loss Microwave Cable Assemblies

ADVANTAGES AND FEATURES

Provides consistent electrical performance

Cable impedance is 50 ± 1 Ohms.

Ensures optimized cable assembly performance with the lowest possible attenuation

Provides assemblies with low VSWR

Cable assemblies come standard with solid-core, low-loss dielectric.

Delivers excellent shielding effectiveness greater than 100 dB

The cable is dual shielded using helically wrapped foil covered by a braided shield.

Eliminates the phase-knee effect

Design uses extruded fluoropolymer insulation.



MARKETS AND APPLICATIONS

Telecommunications/Networking

Base stations
Access controllers
Repeaters
Satellite and test equipment

Test & Measurement

Medical

Medical equipment

Industrial

Industrial equipment

Aerospace & Defense

Radios
Test cables
Navigation equipment



Test & Measurement



Medical



Aerospace & Defense

Flexible Microwave Cable Assemblies

SPECIFICATIONS

SOLID CORE CABLES

Common Characteristics

Dielectric: Solid fluoropolymer
 VoP: 70%
 Propagation Delay: 1.45ns/ft
 Impedance: 50+/-1 Ohm
 Operating Temperature: -65 to +165°C
 Shielding Effectiveness: 100 dB

Other Characteristics

Shield OD	Min BR	Conductor	IL @ 8 GHz	IL @12 GHz	IL @ 18 GHz	IL @ 26 GHz	IL @ 40 GHz	IL @ 50 GHz
047	.2 inches	29 AWG	1.12	1.40	1.65	2.06	2.65	3.09
086	.3 inches	24 AWG	0.61	0.78	1.01	1.25	1.65	1.90
141	.5 inches	19 AWG	0.45	0.59	0.66	0.85	NA	NA

IL values are measured without connector, dB/ft, nominal

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