



INSULATED WIRE
INCORPORATED

**Manufacturer of Ultra
Low Loss Coax, Cable
and Assembly Solutions**

MILLI-FLEX ASSEMBLIES

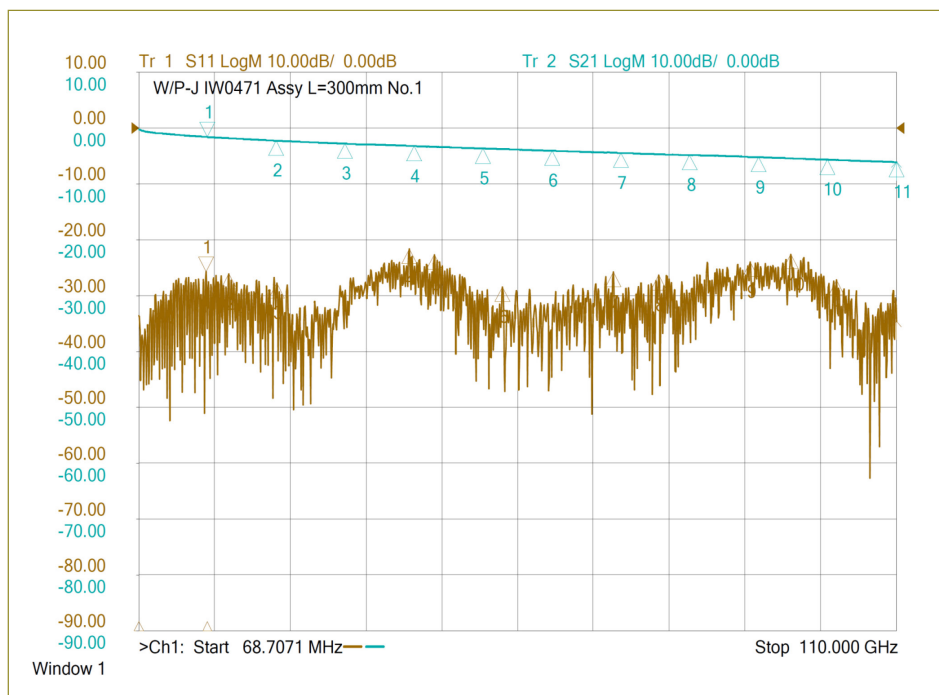
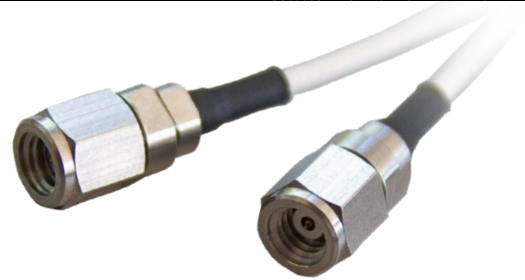
For applications above **30 GHz**, IW has an established range of cables designed to provide exceptional attenuation performance at key frequencies for commercial and military applications, with our **180, 150, 157, 140 and 125** series low loss/phase stable cables in addition to our **RF085 Re-Flex hand formable**.

With increasing demand for flexible cables above **70 GHz**, Insulated Wire has developed 0341 and 0471 cable types, the latter now available and 1.0mm connectors as turn-key assemblies.

Using our proprietary technology for laminating PTFE, IW has achieved a cable design compatible

with a range of interconnect products including **1.0mm and G3PO™** to achieve performance to 110 GHz.

The lamination process provides excellent concentricity, tight impedance control and excellent attenuation performance across the operating frequency range.



Terminated with **1.0mm connectors** designed for the **0471 cable**, example test data is shown here for a 30cm/12" overall length assembly using male and female connectors:

We're how the microwave industry gets connected!





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Today, IW New York Headquarters designs and manufactures a wide range of cables to support demanding customer application specific requirements for high performance cable assemblies operating at frequencies up to 67GHz, across a range of diameters from .050" to 0.500"

IW also offers a broad selection of connectors in order to provide our customers the proper cable assembly for specific applications.

IW serves a broad range of both military and commercial markets. These include telecommunications, data links, satellite systems, airborne electronic warfare and counter measures, missile systems, UAV applications, avionics and instrumentation, fire control systems, medical electronics, and geophysical exploration.



Get in Touch
Find out more

**FOR MORE INFORMATION AND PRICING, PLEASE CONTACT THE FACTORY
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