

Reduce Measurement Uncertainty and Increase Confidence with StabilityPlus™ Cable Assemblies



Solution Overview

StabilityPlus™ is the first cable assembly developed to specifically improve measurement uncertainties and help users make better decisions. This can lead to higher yields when considering pass/fail tests and improve circuit designs based on more accurate and reliable measurement data. This is achieved by ensuring the highest level of phase and amplitude stability with flexure, as well as connector repeatability. As quantified using an uncertainty characterization software such as Insight, StabilityPlus™ cable assemblies improve measurement uncertainty by up to 90% compared to competitor cable assemblies.



Features

- > Best phase and insertion loss stability with flexure
- > Superior flexibility
- > Durable, ruggedized and crush resistant
- > Color-coded connectors
- > Available with 1.85mm, 2.4mm, 2.92mm, 3.5mm and Type N connectors in-series and between-series,
- > Options include right-angle connectors, phase-matched sets, and low-profile assemblies



Benefits

- > Increase confidence in S-parameter measurements
- > Reduce measurement uncertainty on all types of DUTs
- > Ensure repeatable and reliable measurements
- > Ideal for smaller DUTs thanks to low spring-back
- > Lower cost of test with superior longevity and extended service life
- > Avoid costly damage caused by connector mismates



Applications

- > Calibrated S-parameters measurements using VNAs
- > High-density measurements (i.e. PXIe, circuits...) with low-profile option (smaller diameter and lower weight)
- > Production testing
- > Field/portable test
- > Antenna range test
- > EMC/EMI test
- > ATE test systems