

New Product: Clarity™ 70

Our new Clarity™ 70 test cable is designed to accommodate the higher frequencies required for automotive systems, 5G, and other advanced testing. It is ultra-stable through 70 GHz with exceptionally low attenuation, and boasts steel torque, crush and overbend protection with abrasion resistance, without compromising flexibility. The design includes an ergonomic, stainless steel protective barrel strain relief and a hex coupling nut.



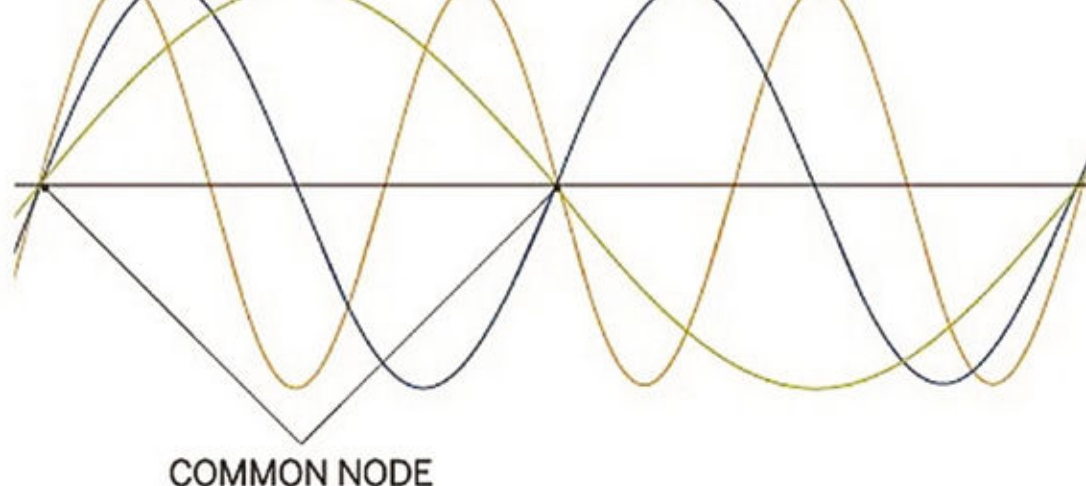
[Download the Clarity™ Datasheet](#)

Clarity 70 in Action: Automotive Components Testing

Being able to test visual and radar-based automotive sensor systems such as autonomous vehicle systems, collision avoidance, and automated braking can be a challenge. In the case of components operating at fundamental frequencies of 18 GHz, 22-28 GHz, and 33 GHz, it is necessary to characterize them at the second and third harmonic frequencies. This often lands at the 67 GHz range.

AUTOMOTIVE SENSOR FREQUENCIES WITH THEIR CORRESPONDING HARMONICS

- FUNDIMENTAL FREQUENCY F
- 2ND HARMONIC 2F
- 3RD HARMONIC 3F



FUNDIMENTAL	2ND HARMONIC	3RD HARMONIC
18GHZ	36 GHZ	54 GHZ
22~ 28 GHZ	44 ~ 56 GHZ	66 ~ 84 GHZ
33 GHZ	66 GHZ	

For the test setup, Clarity 70 becomes a key component in producing accurate measurements due to its ability to make precision connections to both the VNA and DUT, and excellent stability with flexure.

[To learn more, read our latest article on MPD magazine](#)

Featured Article

Our experts have been busy sharing perspectives with the RF world on emerging industry trends, from 5G to healthcare. Check out our newest article in Test and Measurement Tips magazine.



[Test and measurement connections in the world of 5G](#)

Connectors and cabling can be as important as the test instruments used to check out systems operating in the 5G realm.

Product Spotlight – Telecom Solutions

Telecom systems need RF performance, low PIM, and good shielding to meet the industry goals for performance. In many cases, these systems must be retrofitted in the available space, which may require component densification and ease of installation. Check out our complete line of easy-to-install assemblies for telecom:

SPO/SPF Cable Assemblies

- Excellent shielding
- Low loss up to 5.8GHz
- <-160dBc PIM performance
- **SPF**: Indoors Riser rated (CMR)
- **SPO**: Outdoors



SPP-LLPL Cable Assemblies

- Excellent shielding (>100dB)
- Low loss up to 5.8GHz
- <-160dBc PIM performance
- High temperature up to 200°
- Indoor Plenum: UL listed



TFT-5G Cable Assemblies

- Extremely flexible
- Excellent shielding (>100dB)
- Low loss up to 5.8GHz
- <-160dBc PIM performance
- High temperature up to 150°
- Indoor Plenum: UL listed



August Webinar: on Demand

Our latest Times Talks webinar covered our telecom products including our field-terminated, 1/2" low-loss, in-building option. The LPA-500 is UL listed, plenum rated (CMP), and designed for temperatures up to 150°. [Check out our latest video](#) for the LPA-500-LLPL termination.

LPA-500-LLPL Cables and Connectors



[Click here to watch](#) the full webinar on-demand.