



COMMSCOPE'S HELIAX® SureFlex® D-CLASS™ Cable Assemblies

Dynamic PIM Cable Assemblies

Reduce PIM, take back LTE capacity— and keep your subscribers satisfied

As LTE networks continue to expand around the world and subscribers' performance expectations soar, wireless operators can't afford to take any chances. With every call, every text, every data transfer, your network's reputation is on the line. Any reduction in capacity or coverage can quickly lead to subscriber dissatisfaction and churn. Traditional static PIM testing alone cannot predict how RF jumpers will react to PIM caused by weather and other dynamic factors. Tower vibration, varying component installation techniques, and changing weather can all cause PIM that adversely affects site component performance, even though they have already passed static PIM tests. Remediating PIM caused by dynamic factors can require revisits to the site, expensive late-night work, and sector shutdowns—but not before significantly affecting your network's coverage, efficiency and, ultimately, your subscribers' experience.

Featuring SureGuard® weatherproofing to protect your performance

For the ultimate protection against the elements and maximum reliability, HELIAX SureFlex D-CLASS cable assemblies are available with CommScope's patented SureGuard® weatherproofing system—a molded boot that seals connector junctions between jumpers and feeders, antennas, RRUs and amplifiers.

- Ideal for tight spaces or on multiport devices
- Installs in seconds with no special tools
- Reusable—unlike traditional weatherproofing solutions

Individually tested against IEC standards for PIM caused by dynamic factors

The International Electro-technical Commission (IEC) developed a series of five tests to measure PIM caused by dynamic factors such as flexing, tapping or pulling, duplicating the effects of adverse weather conditions at the top of a tower.

CommScope has developed tests which replicate the IEC tests to ensure that SureFlex D-CLASS jumpers meet or exceed IEC PIM standards. Each SureFlex D-CLASS jumper is individually tested under these dynamic conditions, with test results available 24/7 on your computer or smartphone through the CommScope WebTrak and C-Trak app.

Designed, built, and tested for the real world

While most manufacturers test their jumpers for PIM caused by static factors, CommScope SureFlex™ D-CLASS jumpers are also tested for PIM caused by dynamic factors. Our D-CLASS jumpers are available with the latest 4.3-10 series connectors or traditional DIN connectors. Whatever your site requires, we've got you covered. Each jumper is individually tested to meet -162dBc (-119dBm) PIM with 4.3-10 connectors, and 159dBc (-116dBm) with DIN.

SureFlex D-CLASS jumpers feature the latest advancements in the proven, patented SureFlex connector attachment process, already installed in the world's highest-performing wireless networks. Backed by the HELIAX® 10-year warranty, it's a PIM solution you can count on.

To keep your network at peak performance, go with HELIAX SureFlex D-CLASS jumpers—tested for PIM caused by both static and dynamic factors. For more information call Primus at 800-435-1636 or email at support@primuselectronics.com.

