

Research Testing

Gain invaluable insight into product performance and compliance early in the development phase.

Research Testing helps clients build compliance into their products from the start by involving UL in the pre-production development phase, enabling a decreased product-to-market cycle. Targeted testing based on investigation needs helps to identify the compatibility of insulation/jacketing materials before cables go into production. Certain research test data may also be eligible for a subsequent UL Certification project.

Benefits of Research Testing

Compliance testing is a complex and comprehensive process that is necessary before a product can be brought to market. However in the development phase, critical knowledge about a product's potential compliance can be vital to how development continues. UL's Research Testing services allow you to perform targeted individual tests in order to better evaluate a product's performance.

The advantages are many:

- Perform only those tests that are critical to your research
- Discover material weaknesses and advantages at an early stage in the product development process
- Gain a better understanding of the potential performance of your products
- Acquire knowledge that may be vital to the development of new products
- Get testing done by one of the world's most renowned laboratories for wire and cable
- Understand UL testing requirements at an early stage and adapt your product development accordingly

After testing is completed, you will receive a UL Letter Report signifying compliance with the applicable UL or Industry Test Standard. This report contains data which may be applied later during the UL Certification process.

What kind of tests are available?

Research Testing is comprised of all tests in the UL portfolio applicable to copper and fiber products. Examples of various tests include:

- All mechanical and physical properties and electrical tests described in UL 2556, the Standard for Wire and Cable Test Methods
- Large-scale fire testing such as Riser, Plenum, FT4 and Vertical Tray
- Small-scale fire testing such as VW-1, FT1, FT2, Vertical Flame and Horizontal Flame
- Cone Calorimeter, Infrared and X-Ray Fluorescence testing
- IEC series standards such as IEC 60332, IEC 60754 and IEC 61034

Set yourself ahead of the competition

UL's Research Testing service is one way in which we are helping wire and cable manufacturers gain a competitive edge in a rapidly changing industry.

What challenges are you facing today? Let us know, we are eager to partner with you to find a solution. Visit us at www.ul.com/wirequote to learn more.

For more information, please reach out to your UL representative via UL.com/contactwc



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