



UL Information and Communication Technology (ICT) Power Cable Certification program

The Best Way To Increase Peace of Mind and Differentiate Your Data/Power Cables in The Marketplace

Nowadays, high speed data cables are widely used for charging or powering IT and communication devices, such as laptop computers, tablets, mobile phones and power banks, and have replaced traditional power supply cords.

Power capabilities of cables are rising to meet the demand for faster charging and powering devices of higher wattage. However, users may not be aware of the potential risks of overheating and fire due to the use of poorly constructed cables. These cables may be made of substandard materials with inferior thermal and flame resistant properties, or the connector design may not meet the specifications. In addition, the wiring may not be properly terminated at the connector or the assembly is not suitable for carrying the required current.

With a view to address the potential safety hazards of these cables, UL developed an Information and Communication Technology (ICT) Power Cable Certification program specifically for cable assemblies that provide data transmission and power or charging for connected equipment in a circuit that does not exceed 60 V dc, 8.0 A and 100 W.

The program addresses the safety concerns of ICT power cables through the control of connector/cable materials, electrical design by performing testing in accordance with newly published Outline UL 9990.

The program consists of a comprehensive factory inspection and market surveillance to help ensure ongoing compliance of the cable assemblies. This is particularly beneficial when the data cables have already been evaluated to the pertinent industry performance specifications for the particular configuration of connectors which govern their design and performance criteria.



Program Benefits

- Help ensure the cable delivers power as required by the relevant industry specifications. This reduces the likelihood of overheating and the risk of fire.
- The first comprehensive follow-up and market surveillance program of its kind for these products, helps ensure a continued compliant supply chain and fair competition in the marketplace.
- ICT Power Cable testing may be done in addition to UL's performance testing service to help ensure cable assemblies can carry the appropriate current without overheating and meet the pertinent industry specifications. Supports a one-stop submission process.
- Increase peace of mind for end-users, retailers, installers and brand owners.

Please reach out to your UL representative via <http://industries.ul.com/wire-and-cable/wire-cable-global-contacts> for additional information about this service offering.