

## STANDARD INFORMATION

**Standard:** UL 1863

**Standard ID:** Communications-Circuit Accessories [UL 1863:2004 Ed.4+R:29Apr2025]

**Previous Standard ID:** Communications-Circuit Accessories [UL 1863:2004 Ed.4+R:14Oct2019]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** April 29, 2027

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

### Overview of Changes:

- Addition of an out-of-scope statement for Information and Communication Technology (ICT) cable assemblies, UL 9990
- Installation Instructions content for devices configured for field installation

Specific details of new/revise requirements are found in table below

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



## STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
1	Info	<p><b>Scope</b></p> <p><b><i>New clause added;</i></b></p> <p>These requirements do not cover cable assemblies intended for powering or charging Audio/Video, information and communication equipment using a USB-C interface.</p> <p><b><i>Products that fall under the scope of UL 9990 shall be re-certified to UL 9990. Below is the scope of UL 9990 to help determine compliance.</i></b></p> <p><i>1.1 This Standard covers the power handling capabilities of Information and Communication Technology (ICT) cable assemblies when used for powering or charging Audio/Video, Information, and Communication Technology Equipment applications. This does not include Power Over Ethernet cables that are permanently installed to power equipment installed on the network. The signal transmission performance of the cable assemblies is not within the scope of these requirements.</i></p> <p><i>1.2 These requirements apply to ICT cable assemblies categorized below, Type designations used in this standard only serve as a guide to determine appropriate requirements, and do not represent an assigned rating.</i></p> <p><i>a) Type I: These cable assemblies are intended to be used only in the output of a power source class 2 (PS2) and electrical energy source class 1 (ES1), or a limited power source, as determined in accordance with the Standard for Audio/Video, Information, and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1. These circuits do not exceed 60 V DC, 8.0 amperes and 100 watts.</i></p> <p><i>Note: These circuits are sometimes referred to as "low voltage, limited-power circuits", "low voltage, limited-energy circuits" or "NEC® Class 2 circuits".</i></p> <p><i>b) Type II: These cable assemblies are intended to be used in the output of a power source that exceeds the limits for Type I and provide powering or charging for connected equipment that do not exceed 60 V DC, 8.0 amperes and power limits over 100 watts and up to and including 250 watts. These cable assemblies contain an electronic circuit to implement power delivery synchronization (handshaking) with the power source before permitting over 100 W of power.</i></p> <p><i>Note: These circuits are sometimes referred to as ES1 (&lt; 60 Vdc &gt;) and PS3 (&gt; 100 VA)</i></p>



CLAUSE	VERDICT	COMMENT
<i>1.3 ICT cable assemblies may also be required to comply with industry specifications applicable to their particular configuration and use. Compliance with these specifications is not within the scope of these requirements.</i>		
46	Info	<b>Installation Instructions</b>
<b><i>New clause added;</i></b>		
46.3		Accessories designed to be configured and installed in the field shall be provided with Installation Instructions. The instructions shall detail the steps necessary to install the accessory.
<b><i>New clause added;</i></b>		
46.4		For products intended to be installed by commercial/professional installers, a QR Code or statement may be provided on the product (or packaging for small products) that directs the service person to the manufacturers' website for the detailed instructions.