

STANDARD INFORMATION

Standard: UL 1286

Standard ID: Office Furnishings [UL 1286:2008 Ed.5+R:21Apr2021]

Previous Standard ID: Office Furnishings [UL 1286:2008 Ed.5+R:04Jan2018]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **April 21, 2023**

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 Reports not updated to this version by the effective date above will be withdrawn.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:

- Revisions To Construction and Test Requirements Applicable to Raceways
- Addition of Electrical Enclosure Requirements
- Revisions To and Addition of Accessory Requirements to Address Trial Installation of Accessories
- Revision To Marking Requirements to Clarify Office Furnishing Type Designation Requirements
- Addition To Installation and Operating Instruction Requirements to Specify System Components Evaluated as Part of The Complete Furnishing
- Revisions And Additions to Supplement SA, Modular Pre-Wired Office Furnishing Floor Raceway Systems to Allow for Under Carpet Applications

Specific details of new/revised 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>
3	Info	Components
		Relays and similar non-manually controlled devices which are used in a circuit where failure of the relay to function would present a risk of fire, electric shock, or injury to persons shall comply with Overload and Endurance Test, Section 23.
3.6		<u>Metallic raceways shall comply with the Standard for Surface Metal Raceways and Fittings, UL 5 and non-metallic raceways shall comply with the Standard for Nonmetallic Surface Raceways and Fittings, UL 5A, except as specified in Table 3.1</u>
		<i>New clause added;</i>
3.8		Metallic and non-metallic enclosures shall comply with the Standard for Enclosures for Electrical Equipment, Non-Environmental Considerations, UL 50.
		<i>New clause added;</i>
3.9		Insulating materials that are in direct or indirect contact of live parts shall comply with Standard for Polymeric Materials – Use in Electrical Equipment Evaluations, UL 746C.
		<i>New clause added;</i>
3.10		Metal channels shall comply with Tables 12.1 – 12.4, in the Standard for Surface Metal Raceways and Fittings, UL 5 and non-metallic channels shall comply with the Crushing Resistance, Resistance to Impact and Mold Stress Tests in the Standard for Polymeric Materials – Use in Electrical Equipment Evaluations, UL 746C and have a Relative Thermal Index (mechanical with impact) equal to or greater than the temperatures measured during the Temperature Test.
7	Info	Accessories
		An accessory shall be trial installed to <u>subjected to the Trial-Installation Test, Section 37A</u> to determine that the installation is applicable, that the instructions are detailed and accurate, and that the use of the accessory does not introduce a risk of fire, electric shock, or injury to persons.
7.9		<u>subjected to the Trial-Installation Test, Section 37A</u> to determine that the installation is applicable, that the instructions are detailed and accurate, and that the use of the accessory does not introduce a risk of fire, electric shock, or injury to persons.



CLAUSE VERDICT COMMENT

New table added;

Application of Specific Testing Requirements of UL 5A, Nonmetallic Surface Raceways and Fittings

Table 3.1

UL 5A Section ^a	Test Name ^a	Application
5.5	Temperature	Shall be performed as specified in Section 22, Temperature Test of this standard.
5.6	Deflection under heat and load	Not performed
5.8	Resistance to thermal degradation	Materials shall have appropriate thermal properties based on temperatures measured.
5.11	Cold Impact	Test shall be performed at 25°C. ^b
5.12	Low temperature handling	Not performed.
5.14	Flame test in cable trays – FT4 (optional)	Not performed.
^a If a test is not listed, it shall be performed as described in UL 5A, if applicable. ^b For furnishing-supporting raceways, the test in Section 24A.2, Impact Test – Furnishing-Supporting Enclosures of this Standard shall also be performed.		

11 Info **Power-Supply Connections**

11.3 Info **Cord-connected systems**

New clause added;

11.3.5 In accordance with the Exceptions in 11.3.2 and 11.3.4, a free standing starter unit may be provided with 14 AWG cord and a 15 A plug, when the unit complies with the following conditions:

- a) 15 A or less overcurrent protection is provided before the first receptacle;
- b) The system shall be limited to a total of ten, 15 A receptacles; and
- c) The product is marked in accordance with 38.20.

19 Info **Mechanical Assembly**

19.7 info **Glass panels**

New clause added;

19.7.2 All furnishings with glass shall comply with the Glass Panels Tests – Retention, Section 35.2.



CLAUSE	VERDICT	COMMENT
19.12	Info	Video displays
19.12.1	Info	Video display mounting
19.12.1.3	Info	A nonmetallic connector used to secure the video display to the office furnishing or the attachment of mounting system to the office furnishing shall be subjected to the conditioning tests specified in <u>24.5.2 Mold Stress-Relief Distortion, in the Standard for Polymeric Materials – Use in Electrical Equipment Evaluations, UL 746C</u> before any mechanical tests are performed.
		<i>New section added;</i>
24A		Strength of Enclosure Test This section contains requirements for the strength of enclosure test. See standard for details.
35	Info	Glass Panel Tests
35.1	Info	Impact
35.1.1		With reference to 19.7.1(b), a glass panel shall be subjected to the Impact Test described in <u>24.1.3 the Standard for Polymeric Materials – Use in Electrical Equipment Evaluations, UL 746C</u> . The panel shall not crack or break to the extent that a piece of panel is released or drops from its normal position.
36	Info	Mechanical Connector Tests
36.1	Info	Conditioning
36.1.2		A connector fabricated of polymeric material is to be conditioned as specified in <u>24.5.3 Mold Stress-Relief Distortion, in the Standard for Polymeric Materials – Use in Electrical Equipment Evaluations, UL 746C</u> .
		<i>New section added;</i>
37A		Trial Installation Test
37A.1		A furnishing shipped disassembled or an accessory (see 7.9) shall be assembled or installed following the provided instructions to determine that the installation instructions are applicable, that the instructions are detailed and accurate, and that the use of the accessory does not introduce a risk of fire, electric shock, or injury to persons.
	Info	MARKINGS
38	Info	Details
		<i>New clause added;</i>
38.19		A free standing starter unit constructed in accordance with 11.3.5 shall be marked “WARNING” “Risk of Fire and Shock” “Do not create a system that has more than 10 receptacles” or equivalent wording.



CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
38.20		Office furnishings shall be marked with the applicable type designations as specified in 2.16.
39	Info	Installation and Operating Instructions
		<i>New clause added;</i>
39.10		Only those sub-assemblies, critical components and accessories that have been evaluated as part of the complete furnishing shall be specified in the instructions. Exception: Accessories that have not been evaluated may be in the instructions when they are clearly identified as not being evaluated.
Supplement SA	Info	MODULAR PRE-WIRED OFFICE FURNISHING FLOOR RACEWAY SYSTEMS
SA4	Info	Mounting
SA4.1		Provision shall be made for attaching the system to the floor or office furnishing. Such means shall provide for securing the system at intervals of not more than 4 ft (1.22 m). <u>If the total system is less than 4 ft, the system shall be secured at least near the beginning and end of the system.</u> If the base is designed to be secured to the floor or office furnishing surface by screws or bolts extending from the inside, the arrangement shall not result in damage to the conductors. This can be accomplished through the use of round-head or pan-head screws or bolts and washers that serve to protect the head of the screw or bolt, or other appropriate means.
SA4.5		Provision shall be made for securing the cover to the base of a two-piece raceway at intervals of not more than 4 ft (1.22 m). <u>If the total system is less than 4 feet, the raceway cover shall be secured at least near the beginning and end of the raceway.</u> A cover that is held in place by continuous grooves, flanges, or the like shall securely fix the cover in place in accordance with SA4.4.
		<i>New clause added;</i>
SA4.6		Unless the modular system is provided with a specific design for transitioning across a building expansion joint, the manufacturers installation instructions shall include a warning statement in accordance with SA35.9 not to install the system across building expansion joints.
SA16	Info	Mating Connectors
		<i>New clause added;</i>
SA16.1		Mating connectors shall comply with 14.3.1 and be secured to the raceway.



CLAUSE	VERDICT	COMMENT
SA26	Info	Temperature Test
SA26.1		<p>Samples that have been previously subjected to the Vertical Impact Test, Deflection Test, Crush Test, and Resistance to Horizontal Impact Test (for pedestal outlet box assemblies) shall be used for the temperature test. Separate samples from each conditioning test shall be subjected to the Temperature Test. <u>The modular system and other parts of the system intended to be covered by carpet or carpet squares in accordance with the manufacturer's installation instructions shall be covered with closed cell neoprene rubber, as thick as the thickest recommended carpeting. The material shall be held tightly against the component parts intended to be covered by the carpet.</u></p>
SA35	Info	<i>New clause added;</i>
SA35.7		<p>The manufacturer's installation instructions shall indicate the suitable types of finished floor materials and that the minimum and maximum thicknesses shall not exceed 0.25 in (6.4 mm) of the finished floor materials (e.g. carpet, tile) that are suitable for use with the modular system.</p>
		<i>New clause added;</i>
SA35.8		<p>The manufacturer's installation instructions shall specify that the modular system is to be uncovered or covered only with carpet, carpet squares or other flooring tested for covering the system. The areas that are suitable for covering shall be specified. Any areas that are not intended to be covered shall be specified.</p>
		<i>New clause added;</i>
SA35.9		<p>The installation instructions shall include the following instructions in accordance with SA4.6. The following or equivalent statement shall be included in the installation instructions: "WARNING: Risk of Fire or Electric Shock. Do not install this modular system across building floor expansion joints." or equivalent wording.</p>
		<i>New clause added;</i>
SA35.10		<p>As stated in the Exception for SA33.1, the unit shall be marked "WARNING: Risk of electric shock or fire. Connect only to a branch circuit protected by a Class A GFCI Circuit Breaker." or equivalent wording.</p>