

STANDARD INFORMATION

Standard: UL 2238

Standard ID: Cable Assemblies and Fittings for Industrial Control and Signal Distribution [UL 2238:2018 Ed.3+R:05Dec2024]

Previous Standard ID: Cable Assemblies and Fittings for Industrial Control and Signal Distribution [UL 2238:2018 Ed.3+R:12Mar2024]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: June 5, 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 Reports not updated to this version by the effective date above will be withdrawn.

This standard contains Functional Safety requirements.

Overview of Changes: Revisions to Overload/Resistance to Arcing testing for either AC or DC General Use Disconnecting under load conditions. 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



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CLAUSE	VERDICT	COMMENT
<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>		
24A	Info	Overload Test
24A.4		For ac applications <u>intended for across-the-line ac motor starting, single, 2- and 3-phase</u> , the test current shall be 6 times device full-load current with a power factor of 0.4 – 0.5.
24A.4A		<i>New clause added;</i> For ac applications intended for ac general use, the test current shall be 1.5 times the marked ampere rating at the marked voltage, with a power factor of 0.75 – 0.80. Devices shall additionally be marked as describe in 40.1.6, Exception No. 2.
24A.5		For dc applications <u>intended for across-the-line dc motor starting</u> the test current shall be 10 times device full-load current with a non-inductive resistive load.
24A.5A		<i>New clause added;</i> For dc applications intended for dc general use, the test current shall be 1.5 times the marked ampere rating at the marked voltage, with a non-inductive resistive load. Devices shall additionally be marked as describe in 40.1.6, Exception No. 3.
	Info	MARKINGS
40	Info	Details
40.1	Info	General
		Device shall be marked with the following or with an equivalent statement, "Not for current interrupting" or "For disconnecting use only." This statement shall appear on the device or on a flag label wrapped around the cord as close to the fitting as possible or on the smallest unit container or package. When a flag label is used it shall comply with 37.10.
40.1.6		Exception No. 1: A device that has been investigated <u>for either across-the-line ac motor starting, single, 2- and 3- phase or for across-the-line dc motor starting</u> and complies with the overload, temperature, and resistance to arcing testing, as described in Table 18.1 are not marked as described in 40.1.6. <u>Exception No. 2: A device that has been investigated for ac general use and complies with the overload, temperature, and resistance to arcing testing, as described in 24A.4A shall be marked "General Use Circuit Interruption Only" or equivalent, are not marked as described in 40.1.6.</u> <u>Exception No. 3: A device that has been investigated for dc general use and complies with the overload, temperature, and resistance to arcing testing, as described in 24A.5A shall be marked "General Use Circuit Interruption Only" or equivalent, are not marked as described in 40.1.6.</u>