

## Standard Information

**Standard Number:** UL 943 / CSA C22.2 No. 144.1

**Standard Name:** Safety for Ground-Fault Circuit-Interrupters

**Standard Edition and Issue Date:** 5<sup>th</sup>/ 2<sup>nd</sup> Edition Issued May 17, 2016

**Date of Previous Revision of Standard:** 4<sup>th</sup>/ 1<sup>st</sup> Edition Revised June 29, 2012

## Effective Date of New/Revised Requirements

**Effective Date:** **January 16, 2018**

## Impact, Overview, Fees and Action Required

**Impact Statement:** A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

### Overview of Changes:

- Yellow load label removal from GFCI receptacles
- Change to instruction sheet for weather resistant receptacles (WR), and load cables

Specific details of new/revised requirements are found in table below.

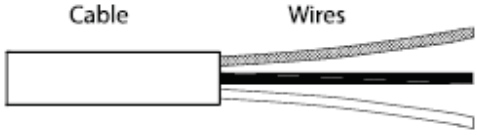
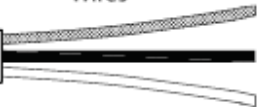
**If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).**

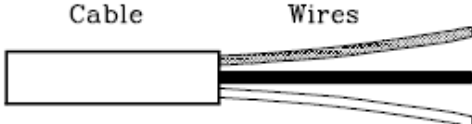
### Client Action Required:

**Information** – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

***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.***

## Description of New/Revised Technical Requirements

Clause	Verdict	Comment
<b>Annex E</b>		<p><b>Installation Instructions – Configuration Drawings</b></p> <p>GFCI type receptacles do not require the use of adhesive yellow load side label (as previously described in the now removed clause 8.2.2).</p> <p>Update required for installation instructions as per Annex E section E1 (removal of load side label references and related illustrations). See Figure 1 below for details.</p> <p>And to address the need for WR product in damp or wet locations. This includes English, French, and Spanish translations and markings. See Figure 1 below for details. See Figure 1 below for details.</p> <p>Compliance of certified Receptacle type GFCI installation instructions will need to be verified.</p> <p><i>(Normative in Canada and the United States; informative in Mexico)</i></p>
<b>Figure 1</b>	Info	<p><b>Installation instructions</b></p> <p><u>New</u> – modified portion of Figure 1</p> <div style="border: 2px solid black; padding: 10px; margin: 10px 0;"> <div style="text-align: center; background-color: black; color: white; padding: 5px;"> <span style="font-size: 2em;">⚠</span> <b>CAUTION</b> </div> <ul style="list-style-type: none"> <li>To prevent severe shock or electrocution, always turn the power OFF at the service panel before working with wiring.</li> <li>Use this GFCI receptacle with copper or copper-clad wire. Do not use it with aluminum wire.</li> <li>Do not install this GFCI receptacle on a circuit that powers life support equipment because if the GFCI trips it will shut down the equipment.</li> <li>For installation in damp or wet locations, the GFCI receptacle must be Listed and marked as Weather Resistant (WR).</li> <li>For installation in wet locations, protect the GFCI receptacle with a cover plate or outlet box hood suitable for wet locations that will keep both the receptacle and plug face dry.</li> <li>Must be installed in accordance with national and local electrical codes.</li> </ul> </div> <div style="margin-top: 20px;"> <h3 style="margin: 0;">4. LINE vs. LOAD</h3> <p>A cable consists of 2 or 3 wires.</p> <div style="display: flex; align-items: center; margin: 10px 0;"> <div style="text-align: center; margin-right: 20px;"> <p>Cable</p>  </div> <div style="text-align: center;"> <p>Wires</p>  </div> </div> <p><b>LINE cable:</b> Delivers power from the service panel (breaker panel or fuse box) to the GFCI. If there is only one cable entering the electrical box, it is the LINE cable. This cable should be connected to the GFCI's LINE terminals only.</p> <p><b>LOAD cable:</b> Delivers power from the GFCI to another receptacle in the circuit. This cable should be connected to the GFCI's LOAD terminals only.</p> </div>

Clause	Verdict	Comment
		<p>Old – modified portion of Figure 1</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%; border: 1px solid black; padding: 5px;"> <p style="text-align: center;"><b>⚠ CAUTION</b></p> <ul style="list-style-type: none"> <li>To prevent severe shock or electrocution, always turn the power OFF at the service panel before working with wiring.</li> <li>Use this GFCI receptacle with copper or copper-clad wire. Do not use it with aluminum wire.</li> <li>Do not install this GFCI receptacle on a circuit that powers life support equipment because if the GFCI trips it will shut down the equipment.</li> <li>For installation in wet locations, protect the GFCI receptacle with a weatherproof cover that will keep both the receptacle and any plugs dry.</li> <li>Must be installed in accordance with national and local electrical codes.</li> </ul> </div> <div style="width: 50%;"> <h3>4. LINE vs. LOAD</h3> <p>A cable consists of 2 or 3 wires.</p> <div style="display: flex; justify-content: center; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;">Cable</div>  </div> <p><b>LINE cable:</b> Delivers power from the service panel (breaker panel or fuse box) to the GFCI. If there is only one cable entering the electrical box, it is the LINE cable. This cable should be connected to the GFCI's LINE terminals only.</p> <p><b>LOAD cable:</b> Delivers power from the GFCI to another receptacle in the circuit. This cable should be connected to the GFCI's LOAD terminals only. The LOAD terminals are under the yellow sticker. Do not remove the sticker at this time.</p> </div> </div>
		<p><b>CUSTOMERS PLEASE NOTE:</b> This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.</p>