

Ref No: I06-012

Date: March 20, 2006

**Wire and Cable No. 122**

Existing Certification not affected

**New products  
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Announcing: Guidelines for use of the CSA label for Wire and Cable bearing more than one CSA Type Designation

See Attachment 1 for affected Class Numbers.

**Who is affected?**

Manufacturers of wire and cable products.

**What do you do?**

1. This publication outlines certification revisions that do not affect your currently certified product designs.
2. Please contact CSA engineering staff if you have questions or need information concerning this publication and how it applies to you.
3. If you would like to arrange for an evaluation of new products to the revisions, initiate a certification project by contacting our Client Services Centre at 1-866-797-4272. Please supply appropriate supporting documentation\*. If testing is needed, we will inform you of the samples required.

\*Technical information as well as company name, address, factory locations and CSA file number or master contract number (if assigned) when applying.

**Need additional technical information?**

Contact Brian Harmer  
by phone 416.747.4333, fax 416.401.6630  
or e-mail [brian.harmer@csa-international.org](mailto:brian.harmer@csa-international.org)

**Introduction:**

Wire and cable products that require the CSA label applied to the tag, reel or carton fall into one or more of the following categories:

- Building Wire/Cable
- Flexible Cord
- Equipment Wires and Cable
- Fire Alarm and Signal
- Communications Cable

**Background and Rationale:**

Many wire and cable constructions are CSA Certified to more than one type designation due to their constructional similarity and compliance to specified requirements. This has led to some confusion on the correct label to be applied.

To address the confusion, CSA International has prepared guidelines on the use of applicable CSA Labels and Marking information. The guideline is described in Attachment 2.

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# **ATTACHMENT 1**

## Affected Class Numbers

### Class No:

5731 01 : CABLE - Communications  
5731 81 : CABLE - Communications - Certified to US Standards  
5735 01 : CABLE - Fire Alarm and Signal  
5735 81 : CABLE - Fire Alarm and Signal - Certified to US Standards  
5738 01 : CABLE - Communications - For Hazardous Locations  
5811 81 : CABLE - Armoured - Certified to US Standards  
5821 02 : CABLE - Nonmetallic Sheathed  
5821 82 : CABLE - Nonmetallic Sheathed - Certified to US Standards  
5831 01 : WIRES - Flexible Cord  
5831 81 : WIRES - Flexible Cord - Certified to US Standards  
5832 02 : WIRES - Thermoplastic  
5832 03 : WIRES - Thermosetting  
5832 82 : WIRES - Thermoplastic - Certified to US Standards  
5832 83 : WIRES - Thermosetting - Certified to US Standards  
5835 01 : WIRES - Equipment  
5835 81 : WIRES - Equipment - Certified to US Standards  
5851 01 : WIRES - Appliance  
5851 81 : WIRES - Appliance - Certified to US Standards  
5853 01 : WIRES - Coil-lead  
5853 81 : WIRES - Coil Lead - Certified to US Standards  
5854 01 : WIRES - Radio-circuit Wires  
5854 81 : WIRES - Radio-circuit Wires - Certified to US Standards

## ATTACHMENT 2

### **General Guideline for Applying the CSA Labels**

The following label categories detail CSA Class Nos. for wire and cable products where the use of the CSA Label is required.

<b><u>Label Category</u></b>	<b><u>Applicable Class Family</u></b>	<b><u>Ranking</u></b>
Building Wire/Cable	5811, 5821, 5832	Highest
Flexible Cord	5831	↓
Equipment Wire and Cable	5835, 5851, 5853, 5854	↓
Fire Alarm Signal Cable	5735	↓
Communications Cable	5731	Lowest

Wire and cable types identified with multiple type designations that fall into two or more label categories will only be identified with the applicable label having the highest ranking shown above. The following are examples:

- a) For Type CMG/AWM (Class Nos. 5731 / 5851), use "Equipment Wire and Cable" label for Class No. 5851.
- b) For Type FAS/CMG (Class Nos. 5735/5731), use "Fire Alarm and Signal Cable" label for Class No. 5735.

If you are authorized by CSA International to report production lengths under the "Label Licensing Program", you are to report the total length under the applicable Class No. appearing in the row having the highest ranking shown above. The following are examples:

- a) For Type CMG/AWM (Class Nos. 5731/5851), report production length under Class No. 5851.
- b) For Type FAS/CMG (Class Nos. 5735/5731), report production length under Class No. 5735

### **Markings on the Product**

The following are the requirements for marking on the product:

- a) Complete markings for each type of wire shall appear on the product, separated by the word "OR";
- b) All information must appear for each type of wire regardless of commonality in ratings and classifications between the different wire types;
- c) The manufacturer's identification, wire size and date of manufacture is required to appear once;
- d) All CSA markings must be distinct, complete and separate from other agency markings to avoid confusion; and
- e) Where markings are confusing or misleading, CSA International may require alterations to the CSA marking legend.

Following is an example:

"Manufacture XXX CSA Type TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1  
Other agency markings"

### **Markings on Tag, Reel or Carton**

The following are the requirements for markings on tag, reel or carton:

- a) Where a wire and cable construction bears more than one type designation, the marking information specified in the applicable standard for each individual type designation shall appear on the tag, reel or carton.
- b) The appropriate CSA Label or accepted Label Licensing marking (as detailed above) shall also be applied;
- c) The markings must be distinctly separated from one another and contain all the information in each area regardless of commonality in ratings and classifications between the different wire types; and
- d) The manufacturer's identification, wire size and date of manufacture is required to appear once.

Following is an example:

Manufacturer identification: "XXX"  
Date of manufacturer: Jan 2006  
Size: 3 cond 18 AWG

Type: CSA AWM II A/B  
Temperature Rating: 105C  
Voltage Rating: 300V  
Flame Rating: FT1  
Insulation thickness: 0.76 mm

Type: CSA SJT  
Voltage Rating: 300V

"Other agency information"