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Project 4786182629

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REPORT

on

WIRE CONNECTORS AND SOLDERING LUGS

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DESCRIPTION

PRODUCT COVERED:

USL, CNL Listed Splicing Wire Connectors, Cat. No. 221 followed by -41 followed by 2, 3 or 5.

GENERAL CHARACTER AND USE:

The devices described in this Report are of the following type.

Type of Wiring Termination -

Spring action

The insulating cover described in this Report are molded from a Recognized Component plastic (QMFZ2), in two pieces and provided with Operating Leaver, intended to be used with this manufacturer's Listed connectors.

RATINGS:

Wire Range:

Series	Wire Range, [AWG]	Wire Type [Cu]
221	24-12	SOL/STR
221	24-18	STR Prebonded
221	12	STR Tinned
221	14	STR Topcoated

Insulation Temperature - The insulating bodies are molded of polymeric materials, as specified in the following tabulation. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials. These materials may be used interchangeably at a maximum temperature of 105°C.

(See "Construction Details" for further information)

Flammability - Housing V-2, Lever V-0.

Wire strip length - 11.0 mm.

Voltage - 600V maximum, building wire: 1000V maximum, signs and luminaires.

NOMENCLATURE:

<u>221</u>	<u>-41</u>	<u>3</u>
A	B	C

- A. Basic Type - Series 221
- B. Model Color -
-41 - Transparent
- C. Number of Poles
 - 2 - Poles
 - 3 - Poles
 - 5 - Poles

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

General -

Products designated USL have been investigated using requirements contained in the Standard for Splicing Wire Connectors UL 486C, Six Edition.

Products designated CNL have been investigated using requirements contained in the Standard for Splicing Wire Connectors CSA C22.2 No. 188-13, Third Edition.

Corrosion Protection - All metal parts are of corrosion resistant material or are suitably plated or painted.

Tolerances - Unless otherwise specified, all dimensions are nominal.

Insulating materials - The following Recognized Component plastic (QMFZ2) materials are used for the Connector specified below.

Assembly instructions -

Connection - Stripped conductor (11.0mm strip length) is inserted into the connector entry and the Operating Leaver is pressed down.

Disconnection - The Operating Leaver is pull up.

Refer to the following photographs and description for further details of construction.