

File E28476  
Project 10ME03959

May 18, 2010

REPORT

on

COMPONENT - Connectors for Use in Data, Signal, Control and Power  
Applications - Component

Tyco Electronics Corp  
Harrisburg, PA

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## DESCRIPTION

## PRODUCT COVERED:

USR, CNR Component Connector, Duoplug Connector Housing, Cat. Nos. 1718044-1 and -2, -3, -4, **-5, -6.**

## GENERAL:

These devices are two-pole connectors employing tab contacts for use with receptacle connectors where the acceptability of combinations is determined by Underwriters Laboratories Inc. The devices are identified as follows:

USR indicates investigation to United States Standards, UL 1977.

CNR indicates investigation to Canadian National Standards, C22.2 No. 182.3.

**RATINGS FOR MODELS 1718044-1 AND 1718044-2, 1718044-3, 1718044-4, 1718044-5, 1718044-6:**

250 V ac/dc

2 A with No. 22

5 A with No. 20 AWG

6 A with No. 18 AWG

Flammability - V2

## TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in or with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - The following are among the considerations to be made when evaluating the device in the end-use product.

1. These devices are not suitable for interrupting the flow of current by connecting or disconnecting the mating connector.
2. These devices have been subjected to the Temperature test with the rated currents and maximum temperature rise values tabulated below.

Cat Nos.	Current, A	Maximum Temperature Rise, °C
1718044-1, -2, -3, -4, - <b>5, -6</b> with No. 18 AWG	6	10.6
1718044-1, -2, -3, -4, - <b>5, -6</b> with No. 20 AWG	5	6.3
1718044-1, -2, -3, -4, - <b>5, -6</b> with No. 22 AWG	2	1.9

4. The flame class rating of the insulating materials used in the connector housing is V-2.

5. These devices employ insulating materials with properties as tabulated below at the minimum thickness employed in the connector housing, the suitability of the insulating materials based on the documented values shall be determined in the end-use application. Please note the values specified in the table when multiple materials are indicated represent the minimum values for the group of materials.

Cat. No.	Raw Material No.	Measured Minimum Thickness	Flame Class	HWI	HAI	RTI Elec	RTI Str	Max Operating Temp, °C
1718044-1	702641	.53 mm	V-2	4	0	130	85	85
1718044-2	705304	.53mm	V-2	4	0	130	110	110
1718044-3	705304	.53mm	V-2	4	0	130	110	110
1718044-4	705304	.53mm	V-2	4	0	130	110	110
1718044-5	705304	.53mm	V-2	4	0	130	110	110
<b>1718044-6</b>	<b>705304</b>	<b>.53mm</b>	<b>V-2</b>	<b>4</b>	<b>0</b>	<b>130</b>	<b>110</b>	<b>110</b>