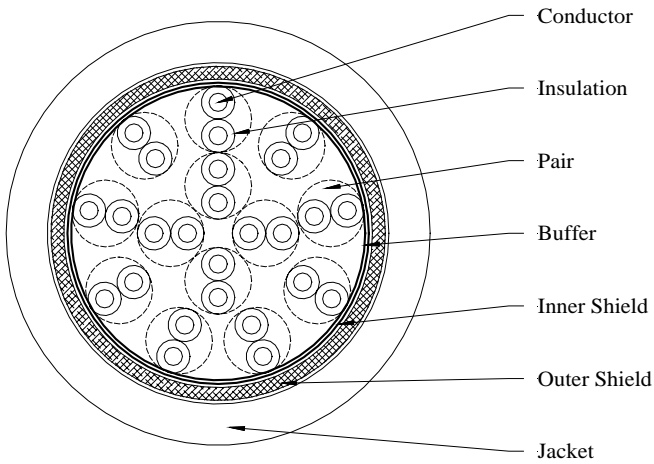


# 13 PAIR 28 AWG RoHS IPI CABLE



## CONSTRUCTION

### Pair Component

**Conductor:** 28 AWG 7/36 Tin Plated Copper, 0.015 Inch Diameter

**Insulation:** 0.0065 Inches of Polypropylene, 0.028 Inch Diameter

**Pair:** 2 Insulated Conductors Twisted Together

### Final Assembly

**Core:** 4 Pairs (#1-4) Cabled Together

**Layer 1:** 9 Pairs (#5-13) Cabled Around Core

**Buffer:** Foam Polypropylene Tape

**Inner Shield:** Aluminum/Polyester Tape, Aluminum Side Facing Out, 25% Overlap

**Outer Shield:** 36 AWG Tin Plated Copper Braid, 85% Coverage

**Jacket:** 0.022 Inches of XPbT, Color – Black

**Diameter:** 0.280 Inches Nominal

**Print Legend (White Ink):** "TYPE CL2 75°C 28 AWG (UL) MADISON CABLE

{Mfg Location Code}<sup>1</sup> CSA AWM II A/B 75°C 300V FT4 RoHS

COMPLIANT"

<sup>1</sup> Mfg. Location Code, if applicable.

## COLOR CODE

| Pair # | Conductor #1 | Conductor #2 |
|--------|--------------|--------------|
| 1      | White/Tan    | Tan/White    |
| 2      | White/Brown  | Brown/White  |
| 3      | White/Pink   | Pink/White   |
| 4      | White/Orange | Orange/White |
| 5      | White/Yellow | Yellow/White |
| 6      | White/Green  | Green/White  |
| 7      | White/Blue   | Blue/White   |
| 8      | White/Violet | Violet/White |
| 9      | White/Gray   | Gray/White   |
| 10     | Tan/Brown    | Brown/Tan    |
| 11     | Tan/Pink     | Pink/Tan     |
| 12     | Tan/Orange   | Orange/Tan   |
| 13     | Tan/Yellow   | Yellow/Tan   |

## ELECTRICAL CHARACTERISTICS

### Impedance:

**Differential:** 106 ± 8 Ohms @ TDR

**Single-Ended:** 68 ± 6 Ohms @ TDR

### Capacitance:

**Mutual:** 16 pF/ft Maximum

**Single-Ended:** 25 pF/ft Maximum

**Time Delay:** 1.60 ns/ft Maximum

**Time Delay Skew:** 0.045 ns/ft Maximum

### Attenuation:

**Differential:** 0.025 dB/ft Maximum @ 5 MHz

**Single-Ended:** 0.065 dB/ft Maximum @ 5 MHz

**Conductor DC Resistance:** 0.070 Ohms/ft Maximum @ 20°C

## SAFETY CERTIFICATION

**UL Listing:** Type CL2 as specified in Article 725 of the National Electrical Code

**CSA Certification:** AWM II A/B 75°C 300 Volts FT4

**RoHS Compliance:** In Accordance to European Directive 2002/95/EC, Issue

13.2.2003



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**Spec Number:** 101-2076

**Part Number:** 26SDKLF025

**Customer:**

**Customer #:**

## REVISION HISTORY

|   |          |    |                                  |
|---|----------|----|----------------------------------|
| 1 | 01/28/05 | RL | Initial Release                  |
| 2 | 10/20/05 | RL | Added P/N & Revised Ins. Wall/OD |
| 3 | 11/08/05 | EP | Revised Legend                   |
|   |          |    |                                  |
|   |          |    |                                  |

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