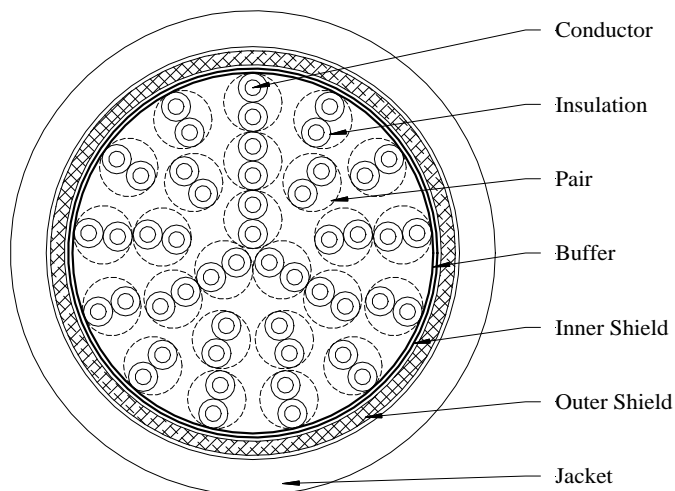


25 PAIR 28 AWG FLEXIBLE IPI CABLE



CONSTRUCTION

Pair Component

Conductor: 28 AWG 7/36 Tin Plated Copper, 0.015 Inch Diameter
Insulation: 0.007 Inches of Polypropylene, 0.029 Inch Diameter
Pair: 2 Insulated Conductors Twisted Together

Final Assembly

Core: 3 Pairs (#1-3) Cabled Together
Layer 1: 9 Pairs (#4-12) Cabled Around Core
Layer 2: 13 Pairs (#13-25) Cabled Around Layer 1
Buffer: Foam Polypropylene Tape, 50% Overlap
Inner Shield: Aluminum/Polyester Tape, Aluminum Side Facing Out, 25% Overlap
Outer Shield: 36 AWG Tin Plated Copper Braid, 85% Coverage
Jacket: 0.027 Inches of Flexible PVC, Color – Black
Diameter: 0.365 ± 0.015 Inches

Print Legend (White Ink): "MADISON CABLE (UL) TYPE CL2 75°C 28 AWG RoHS COMPLIANT {Date Code}"¹

¹ Date code is a 4-digit code with the first 2 digits identifying the calendar week and the last 2 digits identifying the calendar year of manufacture. Example - 0206 for cable manufactured the second week of 2006.

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
14	Tan/Green	Green/Tan
15	Tan/Blue	Blue/Tan
16	Tan/Violet	Violet/Tan
17	Tan/Gray	Gray/Tan
18	Brown/Pink	Pink/Brown
19	Brown/Orange	Orange/Brown
20	Brown/Yellow	Yellow/Brown
21	Brown/Green	Green/Brown
22	Brown/Blue	Blue/Brown
23	Brown/Violet	Violet/Brown
24	Brown/Gray	Gray/Brown
25	Pink/Orange	Orange/Pink

ELECTRICAL CHARACTERISTICS

Impedance:

Differential: 105 ± 7 Ohms @ TDR
Single-Ended: 68 ± 10 Ohms @ TDR

Capacitance:

Mutual: 16 pF/ft Maximum
Single-Ended: 25 pF/ft Maximum

Time Delay:

Time Delay: 1.60 ns/ft Maximum
Time Delay Skew: 0.040 ns/ft Maximum

Differential Attenuation:

Differential Attenuation: 0.079 dB/ft Maximum @ 50 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

RoHS Compliance: In Accordance to European Directive 2002/95/EC, Issue 13.2.2003



Madison Cable

125 Goddard Memorial Drive
 Worcester, MA 01603 USA
 (508) 752-2884 (877) MADISON

REVISION HISTORY

1	12/22/05	RL	Initial Release
2	08/28/06	DM	Revised Electricals
3	01/19/12	DM	Revised Ins. & Jkt Wall/OD; Added Date Code

Spec Number: 101-3942

Part Number: 50SDKLF015

Customer:

Customer #:

Prepared By: D.M. Card

Reviewed By: T. Grzysiewicz

B. Morissette

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Users should evaluate the suitability of this product for their application. Contact factory for latest revision of specification. TE Connectivity reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to the Buyer.