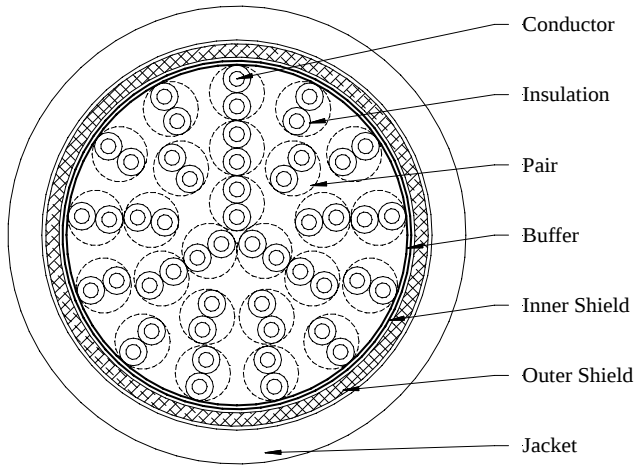


25 PAIR 28 AWG FLEXIBLE IPI CABLE



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 Conductor 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

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

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

Jacket: 0.033 Inches of Flexible XPbT, Color – Black

Diameter: 0.375 ± 0.015 Inches

Print Legend (White Ink): "TYPE CL2 75°C 28 AWG (UL) MADISON CABLE
CSA AWM II A/B 75°C 300V FT1 RoHS COMPLIANT"

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: 1.60 ns/ft Maximum

Time Delay Skew: 0.040 ns/ft Maximum

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

CSA Certification: AWM II A/B 75°C 300V FT1

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



125 Goddard Memorial Drive · Worcester, MA 01603 USA
Tel: (508) 752-2884 Toll-Free: (877) MADISON Fax: (508) 752-4230

Spec Number: 101-3448

Part Number: 50SDKLF056

Customer:

Customer #:

REVISION HISTORY

1	10/17/05	DC	Initial Release
2	05/03/07	DC	Revised Elect, print legend, OD, et. al.

Prepared By: D.M. Card

Reviewed By: T. Grzysiewicz

B. Morissette

Page

1 of 1