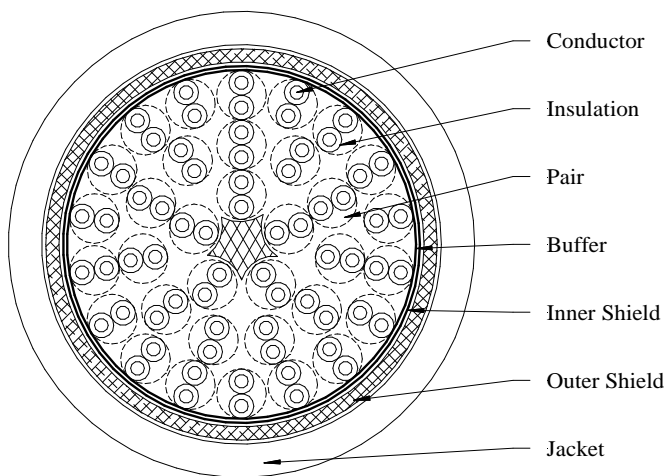


34 PAIR 28 AWG IPI CABLE



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 with an 1-1/4 Inch Maximum Left Hand Lay

Final Assembly

Core: Fibrillated Polypropylene Filler
Layer 1: 5 Pairs (#1-5) Cabled Around Core
Layer 2: 11 Pairs (#6-16) Cabled Around Layer 1
Layer 3: 18 Pairs (#17-34) Cabled Around Layer 2
Buffer: Foam Polypropylene Tape, 25% Overlap
Inner Shield: Aluminum/Polyester Tape, Aluminum Side Facing Out, 25% Overlap
Outer Shield: 36 AWG Tin Plated Copper Braid, 85% Coverage
Jacket: 0.025 Inches of PVC, Color – Black
Diameter: 0.400 Inches Nominal
Print Legend (White Ink): "MADISON CABLE (UL) TYPE CL2 75°C 28 AWG CSA TYPE CMH 60°C 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 #	Cond #1 – Cond #2	Pair #	Cond #1 – Cond #2
1	White/Tan-Tan/White	18	Brown/Pink-Pink/Brown
2	White/Brown-Brown-White	19	Brown/Orange-Orange/Brown
3	White/Pink-Pink/White	20	Brown/Yellow-Yellow/Brown
4	White/Orange-Orange/White	21	Brown/Green-Green/Brown
5	White/Yellow-Yellow/White	22	Brown/Blue-Blue/Brown
6	White/Green-Green/White	23	Brown/Violet-Violet/Brown

7	White/Blue-Blue/White	24	Brown/Gray-Gray/Brown
8	White/Violet-Violet/White	25	Pink/Orange-Orange/Pink
9	White/Gray-Gray/White	26	Pink/Yellow-Yellow/Pink
10	Tan/Brown-Brown/Tan	27	Pink/Green-Green/Pink
11	Tan/Pink-Pink/Tan	28	Pink/Blue-Blue/Pink
12	Tan/Orange-Orange/Tan	29	Pink/Violet-Violet/Pink
13	Tan/Yellow-Yellow/Tan	30	Pink/Gray-Gray/Pink
14	Tan/Green-Green/Tan	31	Orange/Yellow-Yellow/Orange
15	Tan/Blue-Blue/Tan	32	Orange/Green-Green/Orange
16	Tan/Violet-Violet/Tan	33	Orange/Blue-Blue/Orange
17	Tan/Gray-Gray/Tan	34	Orange/Violet-Violet/Orange

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

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REVISION HISTORY

1	10/26/05	EP	Initial Release
2	07/31/06	EP	Revised Electricals, Legend
3	01/07/11	EP	Revised Legend; Added Date Code

Spec Number:	101-3520	Prepared By:	E. Piekelniaik	Page 1 of 1
Part Number:	68SDKLF079	Reviewed By:	T. Grzysiewicz B. Morissette	
Customer:				
Customer #:				

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