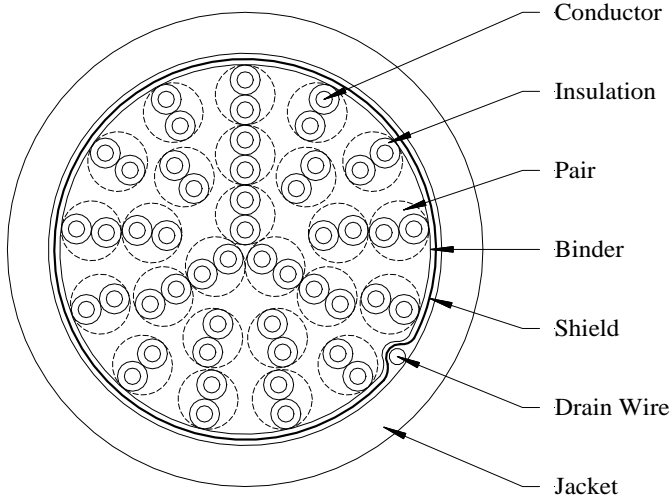


25 PAIR 24 AWG E1 CABLE



CONSTRUCTION

Pair Component

Conductor: 24 AWG Solid Tin Plated Copper, 0.0201 Inch Diameter
Insulation: 0.0105 Inches of Foam Polypropylene, 0.041 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
Binder: Polyester Tape, 25% Overlap
Shield: Aluminum/Polyester Tape, Aluminum Side Facing Out, 25% Overlap
Drain Wire: 24 AWG Solid Tin Plated Copper, 0.0201 Inch Diameter
Jacket: 0.0255 Inches of PVC, Color – Light Olive Gray
Diameter: 0.455 Inches Nominal
Print Legend (Black Ink): "MADISON CABLE (UL) TYPE CM 75°C 24 AWG CSA TYPE CMG 60°C RoHS COMPLIANT {Date Code}"
Footage Marking: Sequential footage marked every 24 Inches on jacket.

¹ Date Code is a 4-digit code with the first two digits identifying the calendar week and the last two identifying the calendar year of manufacturing. Example – 0206 for cable manufactured in the second week of January 2006.

COLOR CODE

Pair #	Conductor #1	Conductor #2
1	White/Blue	Blue/White
2	White/Orange	Orange/White
3	White/Green	Green/White
4	White/Brown	Brown/White
5	White/Gray	Gray/White
6	Red/Blue	Blue/Red

7	Red/Orange	Orange/Red
8	Red/Green	Green/Red
9	Red/Brown	Brown/Red
10	Red/Gray	Gray/Red
11	Black/Blue	Blue/Black
12	Black/Orange	Orange/Black
13	Black/Green	Green/Black
14	Black/Brown	Brown/Black
15	Black/Gray	Gray/Black
16	Yellow/Blue	Blue/Yellow
17	Yellow/Orange	Orange/Yellow
18	Yellow/Green	Green/Yellow
19	Yellow/Brown	Brown/Yellow
20	Yellow/Gray	Gray/Yellow
21	Violet/Blue	Blue/Violet
22	Violet/Orange	Orange/Violet
23	Violet/Green	Green/Violet
24	Violet/Brown	Brown/Violet
25	Violet/Gray	Gray/Violet

ELECTRICAL CHARACTERISTICS

Differential Impedance: 120 ± 15 Ohms @ 1 MHz
Mutual Capacitance: 12 pF/ft Nominal
Attenuation: 6.3 dB/1000 ft Nominal @ 1 MHz
Conductor DC Resistance: 0.026 Ohms/ft Nominal @ 20°C

SAFETY CERTIFICATION

UL Listing: Type CM as specified in Article 800 of the National Electrical Code
CSA Certification: Type CMG
RoHS Compliance: In Accordance to European Directive 2002/95/EC, Issue 13.2.2003



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REVISION HISTORY

1	05/18/06	DM	Initial Release
2	07/07/06	DM	Revised Insulation and Jacket Wall
3	06/23/08	HA	Added Sequential Footage & Date Code
4	08/11/11	HA	Revised Print to Std. Format; Added Date Code

Spec Number: 101-4100

Part Number: 50KFJLF001

Customer:

Customer #:

Prepared By: H. Abusamra

Reviewed By: K. Nippani

M. Dupuis

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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.