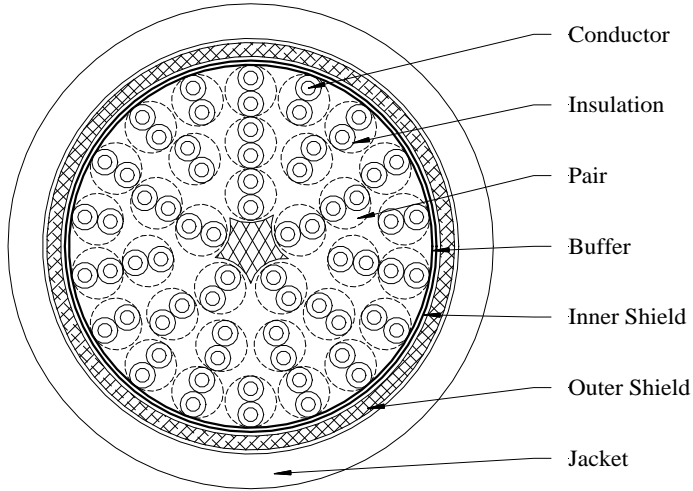


# 34 PAIR 30 AWG LVD FAST 40 SCSI CABLE



## CONSTRUCTION

### Pair Component

**Conductor:** 30 AWG 7/38 Tin Plated Copper, 0.012 Inch Diameter  
**Insulation:** 0.006 Inches of Foam Polyolefin, 0.024 Inch Diameter  
**Pair:** 2 Insulated Conductors Twisted Together

### 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, 50% Overlap  
**Inner Shield:** Aluminum/Polyester Tape, Aluminum Side Facing Out, 25% Overlap  
**Outer Shield:** 38 AWG Tin Plated Copper Braid, 85% Coverage  
**Jacket:** 0.032 Inches of Super Flexible PVC, Color – Black  
**Diameter:** 0.370 ± 0.015 Inches  
**Print Legend (White Ink):** "MADISON CABLE AWM STYLE 20276 60°C 30V VW-1 CSA AWM II A 60°C 30V FT1 LVD Fast 40 SCSI RoHS COMPLIANT {Date Code}<sup>1</sup>"

<sup>1</sup> 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 #	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

**Differential Impedance:** 124 ± 10 Ohms @ TDR  
**Mutual Capacitance:** 11 pF/ft Nominal  
**Time Delay:** 1.44 ns/ft Nominal  
**Time Delay Skew:**  
     **Between Pairs:** 0.036 ns/ft Maximum  
     **Within Pairs:** 0.012 ns/ft Maximum  
**Differential Attenuation:**  
     0.022 dB/ft Nominal @ 5 MHz  
     0.032 dB/ft Nominal @ 10 MHz  
     0.048 dB/ft Nominal @ 20 MHz  
     0.068 dB/ft Nominal @ 40 MHz  
**Conductor DC Resistance:** 0.108 Ohms/ft Maximum @ 20°C

## ENVIRONMENTAL CHARACTERISTICS

**Storage Temperature:** -40°C to +75°C  
**Operating Temperature:** -30°C to +60°C

## SAFETY CERTIFICATION

**UL Recognized:** AWM Style 20276 60°C 30 Volts VW-1  
**CSA Certification:** AWM II A 60°C 30 Volts FT1  
**RoHS Compliance:** In Accordance to European Directive 2002/95/EC, Issue 13.2.2003



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## REVISION HISTORY

1	11/08/05	HA	Initial Release
2	12/14/05	DM	Revised print legend
3	11/30/12	SJ	Revised Print Legend; Added date code

**Spec Number:** 101-3586

**Part Number:** 68KBKLF025

**Customer:**

**Customer #:**

**Prepared By:** S. Jonna

**Reviewed By:** H. Themistocle

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.