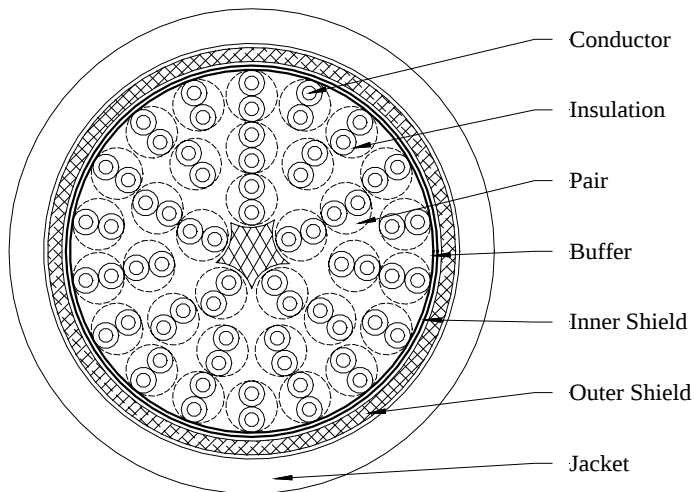


34 PAIR 30 AWG 0.8 MM LVD FAST 40 SCSI CABLE



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: 0.001 Inch Aluminum/0.001 Inch 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: “ AWM STYLE 20276 60°C 30V VW-1 MADISON CABLE CORP. CSA AWM II A 60°C 30V FT1 LVD Fast 40 SCSI”

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

SAFETY CERTIFICATION

UL Recognized: AWM Style 20276 60°C 30 Volts VW-1

CSA Certification: AWM II A 60°C 30 Volts FT1

ENVIRONMENTAL CHARACTERISTICS

Storage Temperature: -40°C to +75°C

Operating Temperature: -30°C to +60°C



MADISON Cable

tyco
Electronics

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

Spec Number: 13162

Part Number: 68KBK00025

Customer:

Customer #:

REVISION HISTORY

4	08/12/97	JF	Revised attenuation
5	02/03/99	JF	Revised lay-up desc.; added print legend
6	02/08/99	JF	Revised print legend
7	09/04/01	EP	Added Storage Temperature
8	09/07/01	EP	Added Operating Temperature
9	12/14/05	DC	Revised print legend

Prepared By: D.M. Card

Reviewed By: E. Piekalniak

B. Morissette

Page

1 of 1