34 Pair 30 AWG NON-HALOGEN UNIVERSAL SCSI CABLE

CONSTRUCTION

Pair Component
Conductor: 30 AWG 7/38 Tin Plated Copper, 0.012 Inch Diameter
Insulation: 0.007 Inches of Foil Polyethylene, 0.026 Inch Diameter
Pair: 2 Insulated Conductors Twisted Together

Final Assembly
Core: 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 Polyethylene Tape
Inner Shield: Aluminum/Polyester Tape, Aluminum Side Facing Out, 25% Overlap
Outer Shield: 38 AWG Tin Plated Copper Braid, 85% Coverage
Jacket: 0.025 Inch of Non-Halogen Thermoplastic, Color - Black
Diameter: 0.385 ± 0.010 Inches
Print Legend: MADISON CABLE CORP. NON-HALOGEN Universal™ SCSI

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Cond #1 = Cond #2</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>White/Tan-Tan/White</td>
</tr>
<tr>
<td>2</td>
<td>White/Brown-Brown/White</td>
</tr>
<tr>
<td>3</td>
<td>White/Pink-Pink/White</td>
</tr>
<tr>
<td>4</td>
<td>White/Orange-Orange/White</td>
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<tr>
<td>5</td>
<td>White/Yellow-Yellow/White</td>
</tr>
<tr>
<td>6</td>
<td>White/Green-Green/White</td>
</tr>
<tr>
<td>7</td>
<td>White/Blue/Blue/White</td>
</tr>
<tr>
<td>8</td>
<td>White/Violet-Violet/White</td>
</tr>
<tr>
<td>9</td>
<td>White/Gray/Gray/White</td>
</tr>
<tr>
<td>10</td>
<td>Tan/Brown-Brown/Tan</td>
</tr>
<tr>
<td>11</td>
<td>Tan/Pink-Pink/Tan</td>
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</tbody>
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ELECTRICAL CHARACTERISTICS

Impedance:
Differential: 125 ± 10 Ohms @ TDR
Single-Ended: 90 ± 6 Ohms @ TDR

Capacitance:
Mutual: 14 pF/F/M Maximum @ 100 kHz and 1 MHz
Single-Ended: 20 pF/F/M Maximum @ 100 kHz and 1 MHz
Velocity of Propagation: 75% Nominal
Time Delay: 1.50 ns/m Maximum
Time Delay Skew (Between Pairs): 0.025 ns/m Maximum
Attenuation:
Differential: 0.022 dB/F/M Nominal @ 5 MHz
0.031 dB/F/M Nominal @ 10 MHz
0.044 dB/F/M Nominal @ 20 MHz
0.063 dB/F/M Nominal @ 40 MHz
0.090 dB/F/M Nominal @ 80 MHz
0.129 dB/F/M Nominal @ 160 MHz
0.168 dB/F/M Maximum @ 200 MHz
Single-Ended: 0.021 dB/F/M Nominal @ 5 MHz
0.033 dB/F/M Nominal @ 10 MHz
0.050 dB/F/M Nominal @ 20 MHz
Near-End Crosstalk: 30% Maximum (Sum of RQ/VN/CR at all pairs at the outer layer plus RQ/VN/CR at all pairs at the outer layer plus RQ/VN/CR at all pairs at the outer layer plus RQ/VN/CR at all pairs at the outer layer plus RQ/VN/CR at all pairs at the outer layer plus RQ/VN/CR at all pairs at the outer layer plus RQ/VN/CR at all pairs at the outer layer plus RQ/VN/CR at all pairs at the outer layer
 dielectric withstand: 200 Volts DC for 3 sec.
Conductor DC Resistance: 0.10 Ohms per F/M Nominal @ 20°C

INDUSTRY STANDARDS

SCSI Parallel Interconnect-3 (SFI-3): Meets the Requirements for Fast 10, Fast 20,
Fast 40 and Fast 80 SCSI. Can be used for Differential (HVD & LVDS) and
Single-Ended Systems as Applicable.

SCSI Parallel Interconnect-4 (SFI-4) Draft: Meets the Requirements for Fast 10,
Fast 20, Fast 40, Fast 80 and Fast 160 (Ultra-320) SCSI. Both Differential
(HVD & LVDS) and Single-Ended Systems as Applicable.

PHYSICAL CHARACTERISTICS

Storage Temperature: -40°C to +80°C

REVISION HISTORY

<table>
<thead>
<tr>
<th>Revision</th>
<th>Date</th>
<th>Comment</th>
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<tbody>
<tr>
<td>1</td>
<td>06/28/01</td>
<td>Initial release</td>
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<tr>
<td>2</td>
<td>08/27/01</td>
<td>Added P/N, Legend, Temperature Rating et al.</td>
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Prepared By: E. Piekielniak  Reviewed By: J. Fan
EP 8/27/01  JF 8/27/01

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