SCSI-2
DAISY CHAIN CABLE COMPARISONS

- 0.050 CENTERLINE DOUBLE LAYER (PVC)
  28 AWG

- 0.025 CENTERLINE (PVC)
  30 AWG WITH 28 AWG TERMPWR

- 0.025 CENTERLINE (PVC)
  32 AWG WITH 28 AWG TERMPWR

<table>
<thead>
<tr>
<th>IMPEDANCE</th>
<th>93Ω</th>
<th>75Ω</th>
<th>78Ω</th>
</tr>
</thead>
<tbody>
<tr>
<td>CROSSTALK</td>
<td>3.6%</td>
<td>3.2%</td>
<td>15.0%</td>
</tr>
<tr>
<td>DC RESISTANCE a/M SIGNAL</td>
<td>176 (3.5) Ω</td>
<td>105 (2.1) Ω</td>
<td>68 (1.3) Ω</td>
</tr>
<tr>
<td>TERMPWR</td>
<td>68 (1.3) Ω</td>
<td>68 (1.3) Ω</td>
<td>68 (1.3) Ω</td>
</tr>
<tr>
<td>(OHMS/6 METERS)</td>
<td>217</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
AMPLIMITE .050 SERIES CONNECTORS
TRANSITION CABLE ASSEMBLY

50 POSITION
AMP LATCH RECEPTACLE

PIN 1
PIN 2
CONDUCTOR 1
0.025 Ω CABLE
CONDUCTOR 50
PIN 49
PIN 26
PIN 50
PIN 25
PIN 1

SCSI-1
SCSI-2

2/8

AMP INCORPORATED
SCSI-2
RIBBON CABLE ALTERNATIVES
.025 CENTERLINE

- A CABLE

CONDUCTOR #50

30 AWG

28 AWG

30 AWG

CONDUCTOR #1

50 POSITION 75 OHM

- B CABLE

CONDUCTOR #68

30 AWG

28 AWG

30 AWG

CONDUCTOR #1

68 POSITION 75 OHM
SCSI-2
.025 CENTERLINE PVC RIBBON CABLE
TRANSMISSION LINE CHARACTERISTICS

⊙ 28 AWG IN FREE AIR

IMPEDEANCE - 56Ω  CROSS TALK - 1.9%

⊙ 28 AWG AGAINST CHASSIS

IMPEDEANCE - 41Ω  CROSS TALK - .7%

⊙ 30 AWG IN FREE AIR

IMPEDEANCE - 75Ω  CROSS TALK - 3.2%

⊙ 30 AWG AGAINST CHASSIS

IMPEDEANCE - 60Ω  CROSS TALK - 1.0%
SCSI-2
RIBBON CABLE ALTERNATIVES
.025 CENTERLINE

• A CABLE

CONDUCTOR #50

32 AWG

28 AWG

32 AWG

CONDUCTOR #1

50 POSITION 93 OHM

• B CABLE

CONDUCTOR #68

32 AWG

28 AWG

32 AWG

CONDUCTOR #1

68 POSITION 93 OHM
SCSI-2
SIGNAL PAIRING (A-CABLE)

CURRENT PIN-OUT SPECIFICATION

PROPOSED PIN-OUT

AMP INCORPORATED
10-10-88
SCSI-2
IMPEDEANCE VS SPACING
DOUBLE LAYER, 28 AWG, .050 ¥, PVC RIBBON CABLE
SCSI-2
.050 CENTERLINE 28 AWG PVC RIBBON CABLE
TRANSMISSION LINE CHARACTERISTICS

- SINGLE LAYER IN FREE AIR

  IMPEDANCE - 105Ω  CROSS TALK - 3.75%

- SINGLE LAYER AGAINST CHASSIS

  IMPEDANCE - 61Ω  CROSS TALK - .8%

- DOUBLE LAYER IN FREE AIR

  IMPEDANCE - 78Ω  CROSS TALK - 15.0%

- DOUBLE LAYER AGAINST CHASSIS

  IMPEDANCE - 51Ω  CROSS TALK - 10.8%
SCSI-2 DAISY CHAIN
TWO 0.050" RIBBON CABLES

PLUG HOUSING

TAB CONTACTS

.050" RIBBON CABLES

TERMINATING COVER