

3M™ Shrunk Delta Ribbon (SDR) Cable Assembly

.80 mm High Speed Digital Data Transmission, 26 position

1MG26-LFW0-00C-XXX



- Supports new AIA Industrial Camera Link® Standard for new Mini C/L camera to C/L frame grabber applications
- 11 shielded, twisted twinax pairs with four drain wires
- Double overall shield with inner foil and outer braid
- Rugged ribbon contact type
- EMI shielded cable assembly
- For use as bulkhead feed through or extension cable
- See regulatory information appendix (RIA) for chemical compliance information

Date Modified: December 10, 2007

TS-2128-C
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Physical

Connector Contact Plating:

Wiping Area: 30 μ " [0.76 μ m] Min Gold

Underplating: 100 μ " [2.55 μ m] Nickel

Shell Options:

Color: Silver (MDR), Black (SDR)

Material: Polyvinyl Chloride (SDR) Metal Plated Polyester Elastomer (MDR)

Cable:

Color: Beige

Jacket Material: Polyvinyl Chloride (PVC)

Flammability: AWM VW-1

Marking: 3M Logo

Electrical

Voltage Rating: 30 V

Current Rating: 0.5 A

Insulation Resistance: $1 \times 10^8 \Omega$ min at 100 V_{DC}

Withstanding Voltage: 125 V_{AC} RMS for 1 minute

Environmental

Temperature Rating: 0°C to +70°C

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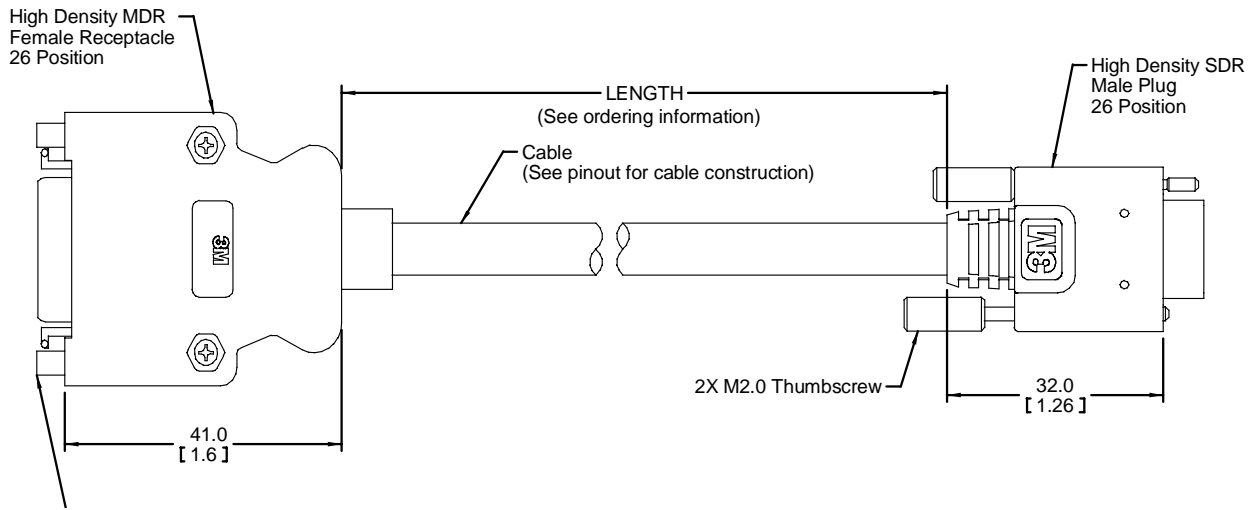


Figure 1
MDR Receptacle To SDR Plug Bulkhead Cable Assembly

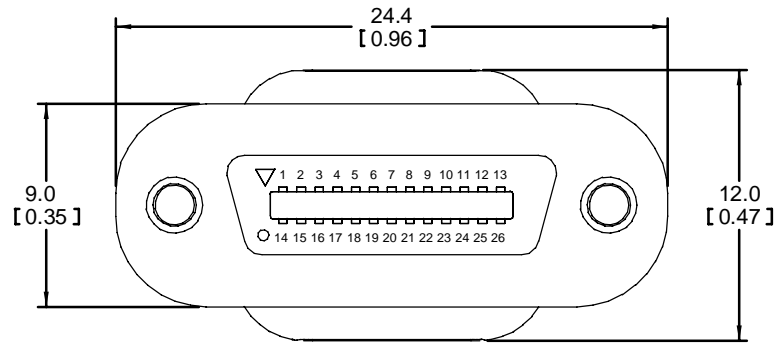


Figure 2 - SDR Plug Pinout

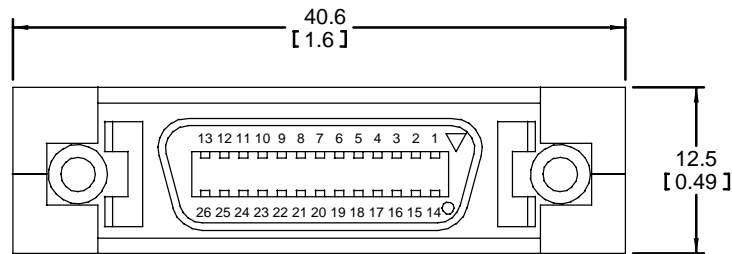


Figure 3
MDR Receptacle Pinout

mm
[Inch]

Tolerance Unless Noted		
	0.0	0.00
mm	±.1	±.10

[] Dimensions for Reference only

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CN-1 Conn. Pos.	Base Configuration					CN-2 Conn. Pos.
	Full / Medium configuration					
			Cable			
25	CC4-	Z3+	TWINAX 1	Z3+	CC4-	25
12	CC4+	Z3-		Z3-	CC4+	12
24	CC3+	Zclk+	TWINAX 2	Zclk+	CC3+	24
11	CC3-	Zclk-		Zclk-	CC3-	11
23	CC2-	Z2+	TWINAX 3	Z2+	CC2-	23
10	CC2+	Z2-		Z2-	CC2+	10
22	CC1+	Z1+	TWINAX 4	Z1+	CC1+	22
9	CC1-	Z1-		Z1-	CC1-	9
21	Ser TFG+	ZO+	TWINAX 5	ZO+	Ser TFG+	21
8	Ser TFG-	ZO-		ZO-	Ser TFG-	8
20	Ser TC-	Terminated	TWINAX 6	Terminated	Ser TC-	20
7	Ser TC+	100 ohm		100 ohm	Ser TC+	7
19	X3+	Y3+	TWINAX 7	Y3+	X3+	19
6	X3-	Y3-		Y3-	X3-	6
18	XC+	Yclk+	TWINAX 8	Yclk+	XC+	18
5	XC-	Yclk-		Yclk-	XC-	5
17	X2+	Y2+	TWINAX 9	Y2+	X2+	17
4	X2-	Y2-		Y2-	X2-	4
16	X1+	Y1+	TWINAX 10	Y1+	X1+	16
3	X1-	Y1-		Y1-	X1-	3
15	XO+	YO+	TWINAX 11	YO+	XO+	15
2	XO-	YO-		YO-	XO-	2
1	INNER SHIELD	INNER SHIELD	DRAIN WIRE	INNER SHIELD	INNER SHIELD	1
14	INNER SHIELD	INNER SHIELD		INNER SHIELD	INNER SHIELD	14
13	INNER SHIELD	INNER SHIELD		INNER SHIELD	INNER SHIELD	13
26	INNER SHIELD	INNER SHIELD		INNER SHIELD	INNER SHIELD	26
Shell	BRAID SHIELD					Shell

Cable Assembly Wiring Diagram
Table 1

Ordering Information

1MG26-LFW0-00C-XXX (RIA E1 & C1 apply)

Length:

100 = 1m

200 = 2m

500 = 5m

A00 = 10m

Reference notes 1 & 2 for cable length tolerance

Notes:

- For a cable length of less than 2m, the length tolerance is +50mm / -0mm
- For a cable length of 2m or more, the length tolerance is +3% / -0% of cable length

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