

# 3M™ Shrunk Delta Ribbon (SDR) Cable Assembly

.80 mm High Speed Digital Data Transmission, 26 position

1MF26-L560-00C-XXX



- Supports new AIA Industrial Camera Link® Standard for new Mini Link 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 MDR ribbon contact type
- Rugged thumbscrew retention
- EMI shielded cable assembly
- See regulatory information appendix (RIA) for chemical compliance information

Date Modified: December 13, 2007

TS-2121-C  
Sheet 1 of 3

---

## Physical

### Connector Contact Plating:

Wiping Area: 30  $\mu$ " [ 0.76  $\mu$ m ] Min Gold

Underplating: 100  $\mu$ " [ 2.55  $\mu$ m ] Nickel

### Shell Options:

Color: Beige (MDR), Black (SDR)

Material: Overmolded option: Polyvinyl Chloride (PVC) & Acrylonitrile Butadiene Styrene ( ABS)

### 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<sub>DC</sub>

**Withstanding Voltage:** 125 V<sub>AC</sub> RMS for 1 minute

---

## Environmental

**Temperature Rating:** 0°C to +70°C

# 3M™ Shrunk Delta Ribbon (SDR) Cable Assembly

.80 mm High Speed Digital Data Transmission, 26 position

1MF26-L560-00C-XXX

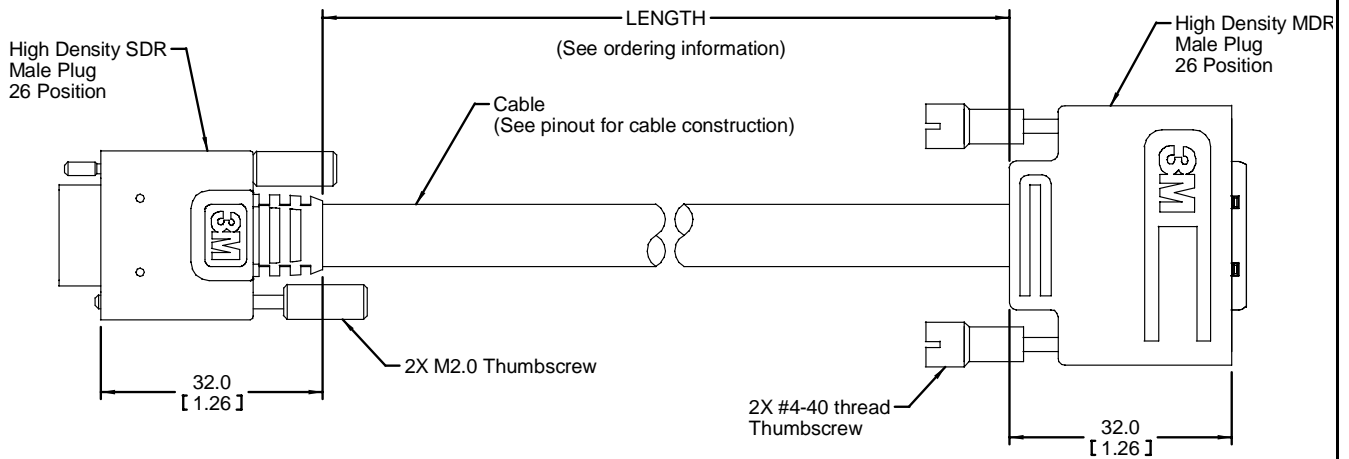


Figure 1  
MDR Straight To SDR Straight Cable Assembly

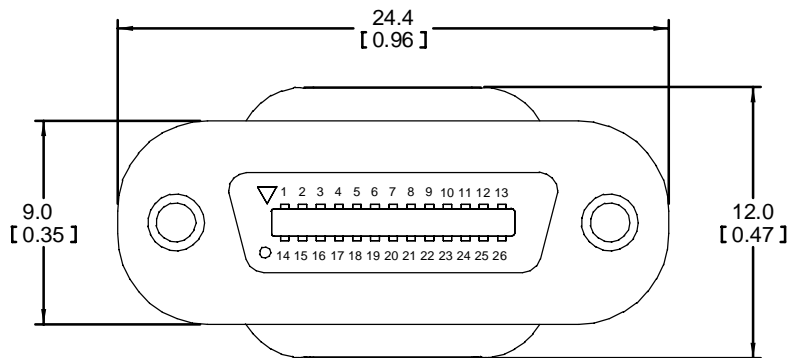


Figure 2  
SDR Plug Pinout



mm [Inch]		
Tolerance Unless Noted		
	0.0	0.00
mm	± .1	± .10

[ ] Dimensions for Reference only

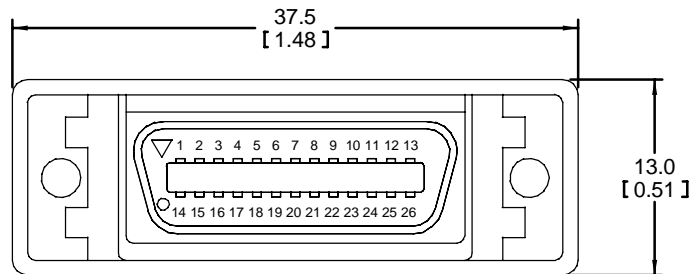


Figure 3  
MDR Plug Pinout

# 3M™ Shrunk Delta Ribbon (SDR) Cable Assembly

.80 mm High Speed Digital Data Transmission, 26 position

1MF26-L560-00C-XXX

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

**1MF26-L560-00C-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

TS-2121-C  
Sheet 3 of 3