3M™ Shrunken Delta Ribbon (SDR) Cable Assembly
.80 mm High Speed Digital Data Transmission, 26 position

- Supports AIA Industrial Camera Link® Standard for Mini C/L camera to 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
- Rugged thumbscrew retention
- EMI shielded overmolded junction shell
- Optional R/A overmolded backshells eliminate bend radius
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3M.com/Interconnect for compliance information (RIA E1 & C1 apply)

**Physical**

**Connector Contact Plating:**
- Wiping Area: 30 μ" [0.76 μm] Min Gold
- Underplating: 100 μ" [2.55 μm] Nickel

**Overmolded Shell:**
- Color: Black
- Material: Polyvinyl Chloride (PVC)

**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:** $1 \times 10^8 \Omega \text{ min at } 100 \text{ V}_{dc}$
- **Withstanding Voltage:** $125 \text{ V}_{ac} \text{ RMS for 1 minute}

**Individually Shielded Twisted Pairs**
- **Characteristic Impedance:** $100 \pm 10\Omega$
- **Conductor Size:** 28 AWG Stranded
- **Propagation Velocity:** 1.25 ns/ft [4.1 ns/m]
- **Skew (within pair):** 50 ps / meter maximum
- **Skew (channel skew per chipset):** 50 ps / meter maximum

**Environmental**

- **Temperature Rating:** 0°C to +70°C

UL File No.: EB6882

Camera Link is a certification mark of Automated Imaging Association

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For technical, sales or ordering information call
800-225-5373
3M™ Shrunken Delta Ribbon (SDR) Cable Assembly
.80 mm High Speed Digital Data Transmission, 26 position
1SF26-L1XX-00C-XXX

Figure 1
Straight SDR to Straight SDR Cable Assembly
Option 20

Figure 2
Straight SDR to Straight SDR Cable Assembly

Note:
1. For length dimension, refer to the product ordering number.

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<th>±.1</th>
<th>±.01</th>
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| Dimensions used for Reference Only
3M™ Shrunken Delta Ribbon (SDR) Cable Assembly
.80 mm High Speed Digital Data Transmission, 26 position
1SF26-L1XX-00C-XXX

Figure 3
R/A SDR to SDR Cable Assembly
Options 36 & 37

Figure 4
Overmolded R/A SDR Connector

Figure 5
Overmolded R/A SDR Connector
(36 option)

Figure 6
Overmolded R/A SDR Connector
(37 option)

mm
[inch]

Tolerance Unless Noted

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[ ] Dimensions used for Reference Only

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

#### .80 mm High Speed Digital Data Transmission, 26 position

**1SF26-L1XX-00C-XXX**

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- **INNER SHIELD**
- **DRAIN WIRE**
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**Ordering Information**

**1SF26-L1XX-00C-XXX** (RIA E1 & C1 apply)

<table>
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<td>5m</td>
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<td>A00</td>
<td>10m</td>
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Refer to length dimension in figures 1 & 3
Reference notes 1 & 2 for cable length tolerance

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

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Interconnect Solutions
http://www.3M.com/interconnects/
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