3M[™] Shrunk Delta Ribbon (SDR) Cable Assembly 1SD26-X1XX-00C-XXX

.80 mm Digital Camera Cable, PoCL Compatible, 26 position



- Carries power in addition to signal to enable use in base • configuration Power over Camera Link® (PoCL) applications
- Connects to Mini-Camera Link style (SDR) I/O ports on both PoCL camera and PoCL framegrabber
- Both straight and right angle cable exit available
- 3 shielded quads and 6 unshielded twisted pairs
- Entire cable bundle shielded with foil and braid for additional signal protection
- Rugged ribbon type contact for reliable, repeatable connectivity
- Thumbscrew retention
- EMI shielded end-to-end for reduced emissions
- See Regulatory Information Appendix (RIA) for chemical compliance information

Date Modified: November 21, 2008

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Physical

| Connector Contact Plating: | |
|-----------------------------------|---|
| Wiping Area: | 30 μ" [0.76 μm] Min. Gold (RIA E1 & C1 apply) |
| Underplating: | 100 μ" [2.54 μm] Nickel |
| Overmolded Shell: | |
| Color: | Black |
| Material: | Polyvinyl Chloride (PVC) |
| Cable: | |
| Color: | Gray or Black |
| Jacket Material: | Polyvinyl Chloride (PVC) |
| Flammability: | AWM VW-1 |
| | |

Electrical

| Voltage Rating: | 30 V |
|----------------------------------|--|
| Current Rating: | 0.5 A |
| Insulation Resistance: | $> 1 \ge 10^8 \Omega$ at 100 V _{DC} |
| Withstanding Voltage: | $125 V_{AC (RMS)}$ for 1 minute |
| Twisted Pairs | |
| Cable Characteristic Impedence: | $100 \pm 10 \Omega$ differential |
| Conductor Size: | 28 AWG Stranded |
| Skew (within pair): | 50 ps/meter maximum |
| Skew (Channel skew per chipset): | 100 ps/meter maximum, 50 ps/meter maximum for 1SD26-R1XX-00C-XXX |

Environmental

Temperature Rating: 0°C to +70°C

UL File No.: E86982

Camera Link is a certification mark of Automated Imaging Association.

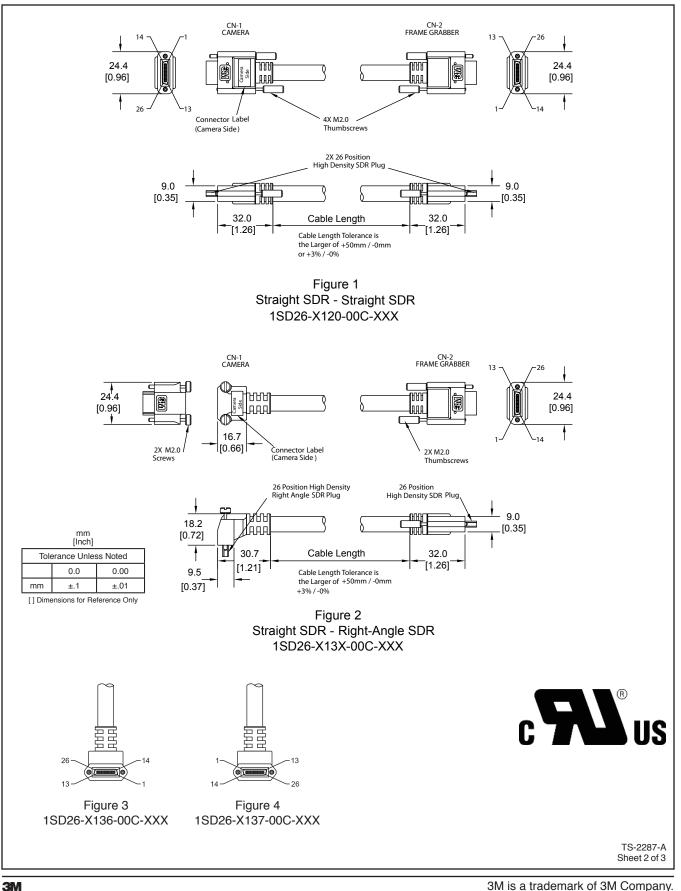
3M[™] Shrunk Delta Ribbon (SDR) Cable Assembly

.80 mm Digital Camera Cable, PoCL Compatible, 26 position

1SD26-X1XX-00C-XXX

For technical, sales or ordering information call

800-225-5373



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

ЗМ

3M[™] Shrunk Delta Ribbon (SDR) Cable Assembly

.80 mm Digital Camera Cable, PoCL Compatible, 26 position

1SD26-X1XX-00C-XXX

| | | | | ble 1 Ig Chart | | | |
|---------|--|-------------------------------|---|---------------------------------|--------------|---|--|
| | CN-1 |] | CN-2 | | | | |
| | Connector Position | Signal | 1SD26-31XX- 00C-XXX Cable | 1SD26-R1XX- 00C-XXX Cable | Signal | Connector Position | |
| | 2 | X0- | | | X0- | 25 | |
| | 15 | X0+ | Quad 1 | Quad 1 | X0+ | 12 | |
| | 3 | X1- | Quadi I | Quad 1 | X1- | 24 | |
| | 16 | X1+ | | | X1+ | 11 | |
| | 4 | X2- | | | X2- | 23 | |
| | 17 | X2+ | Quad 2 | Quad 2 | X2+ | 10 | |
| | 5 | Xclk- | Quad 2 | Quad 2 | Xclk- | 22 | |
| | 18 | Xclk+ | | | Xclk+ | 9 | |
| | 6 | X3- | | | X3- | 21 | |
| | 19 | X3+ | Quad 3 | Quad 3 | X3+ | 8 | |
| | 7 | SerTC+ | Quad 5 | Quad 5 | SerTC+ | 20 | |
| | 20 | SerTC- | | | SerTC- | 7 | |
| | 8 | SerTFG- | Twisted Pair 1 | Twisted Pair 1 | SerTFG- | 19 | |
| | 21 | SerTFG+ | Twisted Pair T | Twisted Pair T | SerTFG+ | 6 | |
| | 9 | CC1- | Twisted Pair 2 | Twistod Pair 2 | CC1- | 18 | |
| | 22 | CC1+ | TWISTED Fail 2 | Twisted Pair 2 CC1+ | | 5 | |
| | 10 | CC2+ | Twisted Pair 3 | Twisted Pair 3 | CC2+ | 17 | |
| | 23 | CC2- | | TWISLEU Fail 3 | CC2- | 4 | |
| | 11 | CC3- | CC2- 4 Twisted Pair 4 Twisted Pair 4 CC3- 16 CC3+ 3 3 | 16 | | | |
| | 24 | CC3+ | | i wisted Pair 4 | CC3+ | 3 | |
| | 12 | CC4+ | Twisted Pair 4 | Twisted Pair 5 | CC4+ | 15 | |
| | 25 | CC4- | | | CC4- | 2 | |
| | 1 | +12V | Twisted Pair 6 | Twisted Pair 6 | +12V | 1 | |
| | 26 | +12V | TWISTED Pair 6 | | +12V | 26 | |
| | 13 | Inner Shield | Drain Wire | Insulated Wire | Inner Shield | 13 | |
| | 14 | Inner Shield | Drain Wire | Insulated Wire | Inner Shield | 14 | |
| | Shell | | Brai | d Shield | | Shell | |
| | | | | | | | |
| Orderin | g Informatio Cable Type: 3: Standard (gra R: Flexible (black | y) () Cab 20:: 36: 1 | le Exit & Attachment Directio Straight-Straight (Figure 1) Camera end right-angle, cabl | e exit opposite position 1 (Fig | ures 2 & 3) | Cable Length: 200 = 200 cm 500 = 500 cm A00 = 1000 cm Other lengths available by special order. Contact 3M for details. | |
| ЗМ | | 37:1 | vaniera eno rignt anglè, cablé | exit same side as position 1 | | TS-2287-A Sheet 3 of 3 rademark of 3M Company. | |

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

Regulatory Information Appendix

3M Electronic Solutions Division/Interconnect

EUROPE

Appendix E1: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product is RoHS Compliant 2005/95/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E2: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product contains lead in the compliant pin area in excess of the maximum concentration value allowed but is compliant by exemption under EU Commission Decision 2005/747/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E3: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment as amended by Commission Decision 2005/618/EC.

This product contains lead in the solder tail area in excess of the maximum concentration value allowed.

Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E4: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC, as amended by EU Commission Decision 2005/717/EC, as amended by EU Court of Justice Decision 2008/C 116/04

This product contains decaBDE in the insulating material in excess of the maximum concentration allowed for finished products subject to EU RoHS that are placed on the EU market after June 30, 2008.

Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E5: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product contains lead in excess of the maximum concentration value allowed but is compliant by exemption under Item 6 of the Annex to the Directive.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

CHINA Appendix C1: China RoHS

Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does not** contain any of the following substances in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers (excluding decaBDE); or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix C2: China RoHS 4



Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does** contain a substance, as detailed in the chart below, in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers (excluding decaBDE); or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

The numerical reference in the symbol above should not be construed as a representation regarding the product's life or an extension of a product warranty. The product warranty is stated below. In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the product Warranty stated below.

产品中有毒有害物质或元素的名称及含量 Name and Content of Hazardous Substances or Elements

| 部件名称 (Part or Component Name) | 有毒有害物质或元素 (Hazardous Substances or Elements) | | | | | | |
|---|--|-----------------------|-----------------------|-------------------------------------|---------------------------------|-------------------------------------|--|
| | 铅(Pb) | 汞 (Hg) | 镉 (Cd) | 六价铬 (Cr(VI)) | 多溴联苯 (PBB) | 多溴二苯醚 (PBDE) | |
| 端子镀层(contact plating) | × | 0 | 0 | 0 | 0 | 0 | |
| O: 表示该有毒有害物质在该部件所有 hazardous substance contained in SJ/T11363-2006.) ×: 表示该有毒有害物质至少在该部f hazardous substance contained in requirement in SJ/T11363-2006.) | all of the 牛的某一均/ | e homogeneo 贡材料中的含 | us materia 含量超出SJ/ | ls for this part F11363-2006 标准规 | is below the limi 定的限量要求。(Ir | t requirement in ndicates that this | |

Appendix C3: China RoHS



Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does** contain a substance, as detailed in the chart below, in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers (excluding decaBDE); or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

The numerical reference in the symbol above should not be construed as a representation regarding the product's life or an extension of a product warranty. The product warranty is stated below. In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the product Warranty stated below.

产品中有毒有害物质或元素的名称及含量 Name and Content of Hazardous Substances or Elements

| 部件名称 | | 有毒有害物质或元素 (Hazardous Substances or Elements) | | | | | |
|--------------------------|-------|--|--------|-------------|------------|--------------|--|
| (Part or Component Name) | 铅(Pb) | 汞 (Hg) | 镉 (Cd) | 六价铬(Cr(VI)) | 多溴联苯 (PBB) | 多溴二苯醚 (PBDE) | |
| 合金(Metal alloy) | × | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | |

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006 标准规定的限量要求以下。(Indicates that this hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363-2006.)

×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006 标准规定的限量要求。(Indicates that this hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363-2006.)

Important Notice

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