

3M™ Serial Advanced Technology Attachment (SATA) Signal Cable

Signal Cable, Straight, Right Angle and Combination

5602 Series



- 7-position serial signal assembly
- Multiple variations in length and interface attachments
- Point-to-point signaling
- Polarized interface insures proper alignment
- 26 AWG stranded differential pairs
- Meets SATA Specification 1.0a
- RoHS* compliant

Date Modified: October 13, 2006

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Physical

Insulator

Material: High Temperature Thermoplastic

Flammability: UL 94V-0

Color: Black

Contact

Material: Copper Alloy

Plating:

Wiping Area: 30 μ" [0.76 μm] Gold

Underplating: 50 μ" [1.27 μm] Nickel

Marking 3M Logo

Electrical

Current Rating: 1.5 A

Insulation Resistance: 10³ MΩ min.

Withstanding Voltage: 500 VAC at sea level

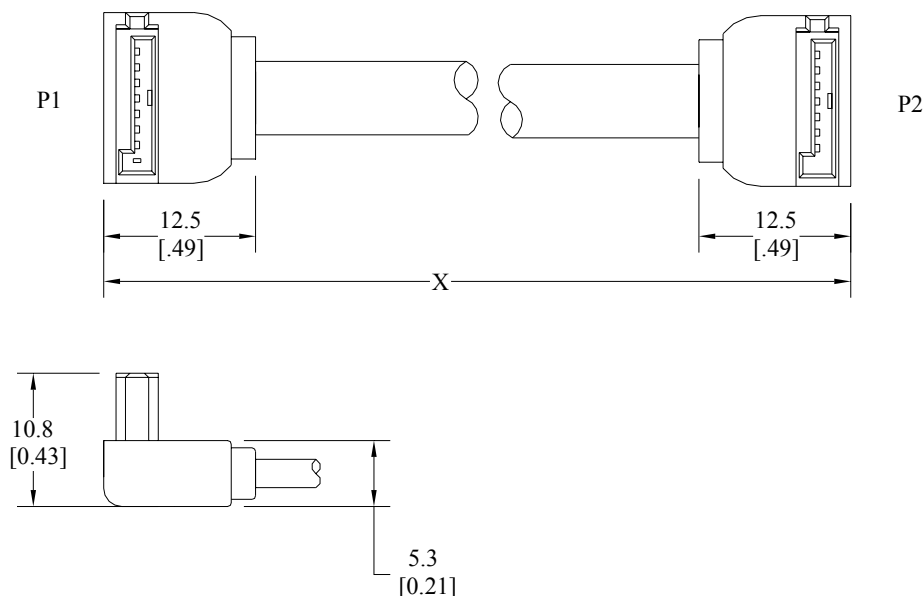
Environmental

Operating Temperature: 0°C to +55°C

Non-operating Temperature -40°C to +85°C

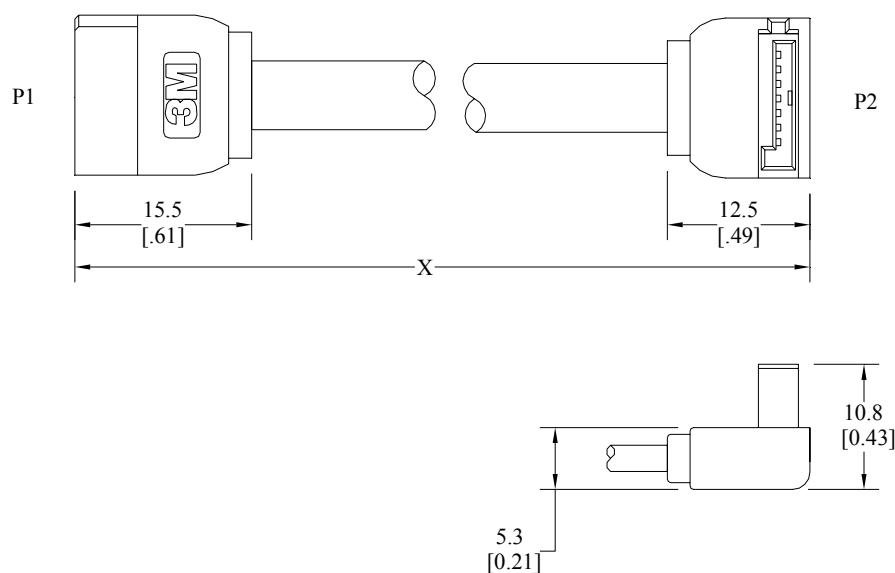
*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

Right Angle to Right Angle



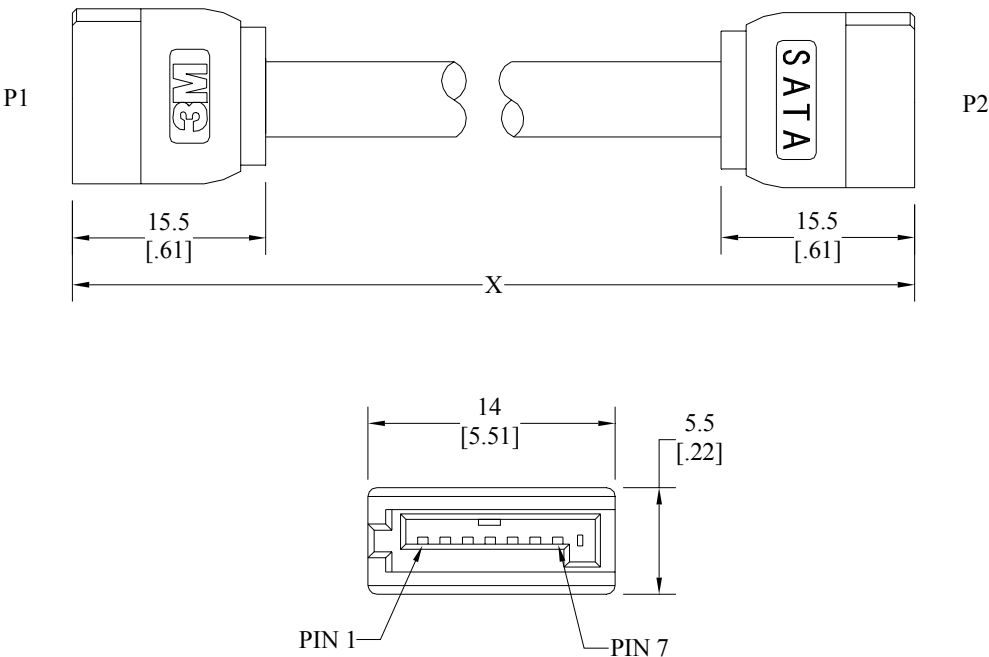
Note: The 3M Logo is located on the reverse side of P1 and P2.

Straight to Right Angle



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Straight to Straight

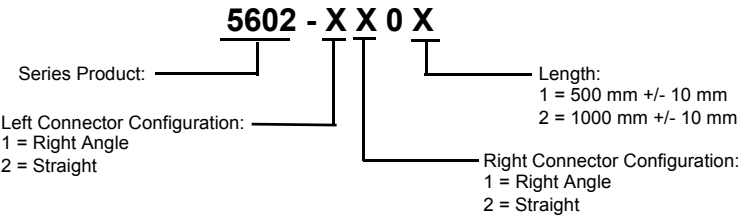


| Wire List | | | | |
|-----------|----|-----------|--------|----|
| Pin. No. | P1 | Wire Type | Signal | P2 |
| No. | 1 | Drain | G | 1 |
| No. | 2 | Pair 1 | A+ | 2 |
| No. | 3 | Pair 1 | A- | 3 |
| No. | 4 | Drain | G | 4 |
| | | Drain | | |
| No. | 5 | Pair 2 | B- | 5 |
| No. | 6 | Pair 2 | B+ | 6 |
| No. | 7 | Drain | G | 7 |

| mm | | | |
|-----------------------------------|-----|------|-------|
| [Inch] | | | |
| Tolerance Unless Noted | | | |
| | .0 | .00 | .000 |
| mm | ±.3 | ±.25 | ±.127 |
| [] Dimensions for Reference Only | | | |

- Notes: 1. Wire list applies to all cable configurations.
2. "X" denotes length of cable, options available in Ordering Information.

Ordering Information



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Minimum 10%
Post-Consumer Fiber

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