

From data centers to robotics to patient monitoring equipment, we're committed to enabling the next generation of faster, smaller and smarter design. 3M offers an extensive portfolio of cables and accessories built for speed and reliability, so you get the performance you need with as little downtime possible. Visit 3Mconnectors.com for tech sheets and more information.

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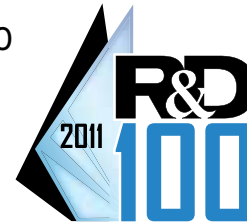
3M™ Cable Products

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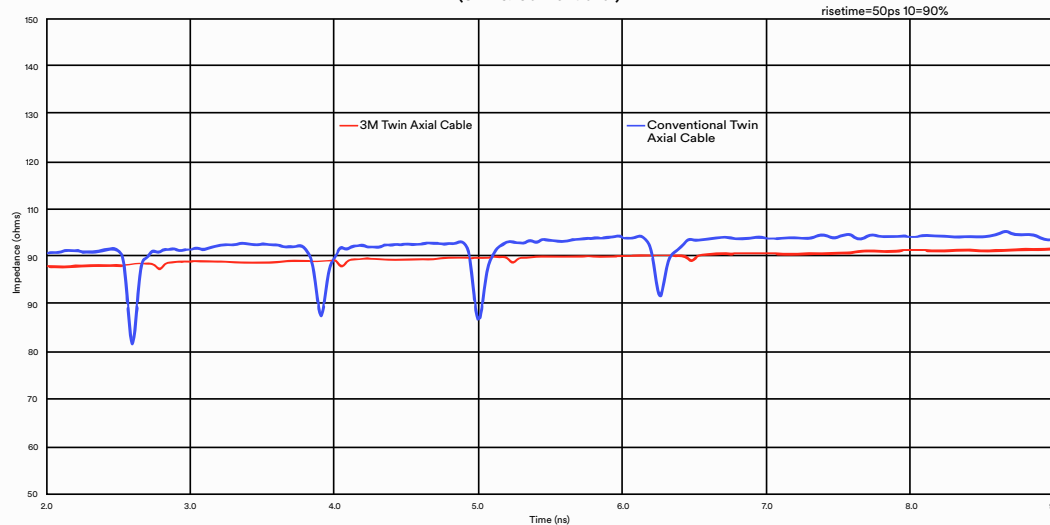
3M™ Twin Axial Cable, SL8800 Series

After designing cables for over 50 years, we understand what it takes to design, build, deliver and install high-performance devices on time and on budget.

The 3M Twin Axial Cable, SL8800 Series is designed to bring together high-speed performance and high signal density in an extremely thin and flexible package that can be folded with minimal loss or impact on performance. With its ultra-low, space-saving profile, the SL8800 Series helps allow for optimal cooling and airflow to maintain the high speeds and processing power your system demands.

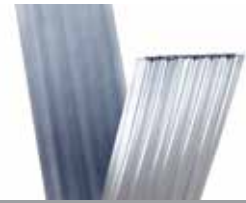


Example of Crease Folds on Twin Axial Cable Impedance (3M vs. Conventional)



Comparative Example of Crease Folds on 3M™ Twin Axial Cable Differential Impedance (3M vs. Conventional Spiral Wrapped)

3M™ Twin Axial Cable, SL8800 Series (cont.)



| Cable Type/Description | Twin Axial Cable | Twin Axial Cable | Twin Axial Cable |
|---|--|--|--|
| Profile | | | |
| 3M Cable Series | 8801 | 8801 | 8801 |
| Conductor Size (AWG) | 30 | 30 | 30 |
| Conductor Material | Copper | Copper | Copper |
| Primary Insulation | Polyolefin | Polyolefin | Polyolefin |
| Primary Color | Gray | Gray | Gray |
| 3M Drawing Number | 78-5100-2412-4 | 78-5100-2463-7 | 78-5100-2462 -9 |
| Application Examples (cable is not limited to these) | SAS/SATA internal, other 4/8-pair applications requiring sidebands | SAS implemented on 68-position internal assemblies; can be doubled up or matched with other configurations | PCIe implemented on 36-position assemblies |



| Cable Type/Description | Twin Axial Cable | Twin Axial Cable | Twin Axial Cable |
|---|--|------------------|---|
| Profile | | | |
| 3M Cable Series | 8802 | 8802 | 8803 |
| Conductor Size (AWG) | 30 | 30 | 30 |
| Conductor Material | Copper | Copper | Copper |
| Primary Insulation | Polyolefin | Polyolefin | Polyolefin |
| Primary Color | Gray | Gray | Gray |
| 3M Drawing Number | 78-5100-2413-2 | 78-5100-2400-9 | 78-5100-2414-0 |
| Application Examples (cable is not limited to these) | SAS/SATA internal assemblies not requiring sidebands; other 4/8-pair internal assemblies | HD SAS SFF 8643 | SAS and/or SATA fanout assemblies; cable can be split into individual pairs |

3M™ Low Smoke Zero Halogen (LSZH) Cables

You asked for them, and we delivered.

LSZH Cables help minimize the risks associated with smoke and corrosive gasses.

And since these cables come from 3M, the increase in safety comes

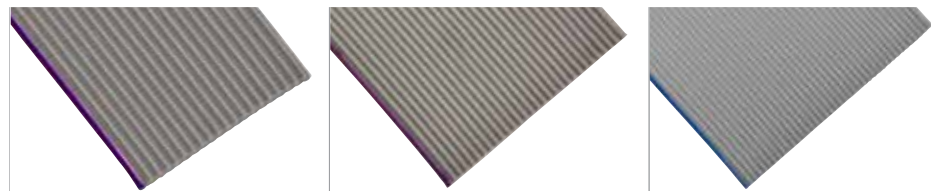
without a dip in performance. The HF Series meets established industry low smoke (IEC 61034-2:2005) and low toxicity (NF X 70-100-2:2006) criteria with comparable

flexibility and durability to 3M's PVC Cables. 3M's LSZH Cables are halogen-free

as defined by IEC 61249-2-21. As you'd expect, this makes the HF Series ideal for

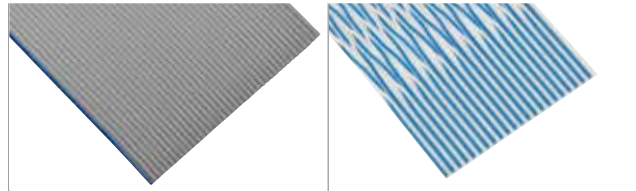
electronics, especially in data center, transportation and military

applications.



| Cable Type/Description | Round Conductor Flat Cable | Round Conductor Flat Cable | Round Conductor Flat Cable, High Flex Life |
|---------------------------|----------------------------|----------------------------|--|
| Pitch/Centerline in. (mm) | .025 (0.635) | .039 (1.0) | .050 (1.27) |
| 3M Cable Series | HF447 | HF625 | HF319 |
| Conductor Size (AWG) | 30 | 28 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper | Silver Plated Copper Alloy |
| Conductor Stranding | Solid | 7 × 0.127 (7 × 36) | 19 × 0.079 (19 × 40) |
| Primary Insulation | Polyolefin Blend | Polyolefin Blend | Polyolefin Blend |
| Primary Color | Dark Gray | Dark Gray | Dark Gray |
| 3M Drawing Number | TS-2343 | TS-2338 | TS-2342 |

3M™ Low Smoke Zero Halogen (LSZH) Cable (cont.)

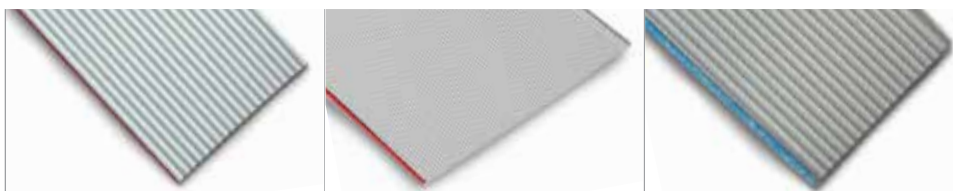


| Cable Type/Description | Round Conductor Flat Cable | Twisted Pair Flat Cable |
|---------------------------|----------------------------|-------------------------|
| Pitch/Centerline in. (mm) | .050 (1.27) | .050 (1.27) |
| 3M Cable Series | HF365 | HF100 |
| Conductor Size (AWG) | 28 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) |
| Primary Insulation | Polyolefin Blend | Polyolefin Blend |
| Primary Color | Dark Gray | Blue/Off-White Pairs |
| 3M Drawing Number | TS-2334 | TS-2344 |

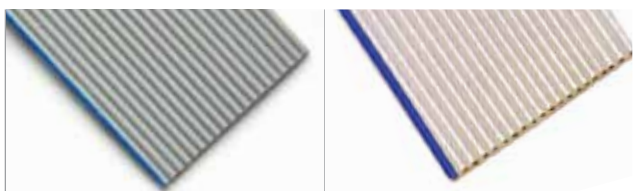


| Cable Type/Description | Shielded, Jacketed Flat Cable | Round Jacketed Flat Cable | Round, Shielded, Jacketed, Flat Cable |
|---------------------------|-------------------------------|---------------------------|---------------------------------------|
| Pitch/Centerline in. (mm) | .050 (1.27) | .050 (1.27) | .050 (1.27) |
| 3M Cable Series | HF017 | HF759 | HF659 |
| Conductor Size (AWG) | 28 | 28 | 28 |
| Conductor Material | Tinned Copper | Not Applicable | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) |
| Primary Insulation | Polyolefin Blend | Polyolefin Blend | Polyolefin Blend |
| Primary Color | Dark Gray | Dark Gray | Dark Gray |
| Jacket Insulation | Polyolefin | Polyolefin | Polyolefin |
| Jacket Color | Dark Gray | Dark Gray | Dark Gray |
| 3M Drawing Number | TS-2345 | TS-2336 | TS-2335 |

3M™ Flat Ribbon Cable .025" - .033" Pitch

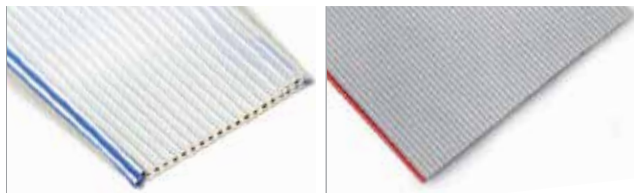


| Cable Type/Description | Round Conductor Flat Cable | Round Conductor Flat Cable | Round Conductor Flat Cable |
|---------------------------|----------------------------|----------------------------|----------------------------|
| Pitch/Centerline in. (mm) | .025 (0.635) | .025 (0.635) | .025 (0.635) |
| 3M Cable Series | 3754 | 3447 | 3756 |
| Conductor Size (AWG) | 30 | 30 | 30 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.102 (7 × 38) | Solid | 7 × 0.102 (7 × 38) |
| Primary Insulation | PVC | PVC | TPE |
| Primary Color | Gray | Gray | Gray |
| 3M Drawing Number | TS-0875 | TS-0830 | TS-0508 |



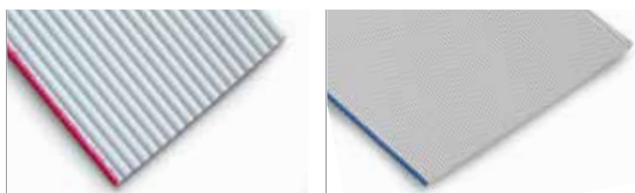
| Cable Type/Description | Round Conductor Flat Cable | Round Conductor Flat Cable |
|---------------------------|----------------------------|----------------------------|
| Pitch/Centerline in. (mm) | .025 (0.635) | .025 (0.635) |
| 3M Cable Series | 3749 | 3609 |
| Conductor Size (AWG) | 30 | 30 |
| Conductor Material | Tinned Copper | Silver Plated Copper |
| Conductor Stranding | Solid | 7 × 0.102 (7 × 38) |
| Primary Insulation | TPE | FEP |
| Primary Color | Gray | Opaque White |
| 3M Drawing Number | TS-0068 | TS-0654 |

3M™ Flat Ribbon Cable .025" - .033" Pitch (cont.)



| Cable Type/Description | Round Conductor Flat Cable | Round Conductor Flat Cable |
|---------------------------|----------------------------|----------------------------|
| Pitch/Centerline in. (mm) | .025 (0.635) | .033 (0.838) |
| 3M Cable Series | 3604 | 3849 |
| Conductor Size (AWG) | 30 | 30 |
| Conductor Material | Silver Plated Copper | Tinned Copper |
| Conductor Stranding | Solid | 7 × 0.102 (7 × 38) |
| Primary Insulation | FEP | PVC |
| Primary Color | Opaque White | Gray |
| 3M Drawing Number | TS-0653 | TS-0573 |

3M™ Flat Ribbon Cable 1 mm Pitch

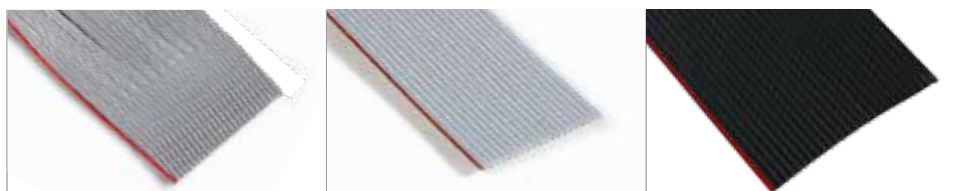


| Cable Type/Description | Round Conductor Flat Cable | Round Conductor Flat Cable |
|---------------------------|----------------------------|----------------------------|
| Pitch/Centerline in. (mm) | .039 (1.0) | .039 (1.0) |
| 3M Cable Series | 3625 | 3852 |
| Conductor Size (AWG) | 28 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 41/44 |
| Primary Insulation | PVC | PVC |
| Primary Color | Gray | Gray |
| 3M Drawing Number | TS-0452 | TS-2540 |

3M™ Flat Ribbon Cable .050" Pitch

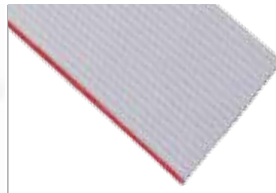
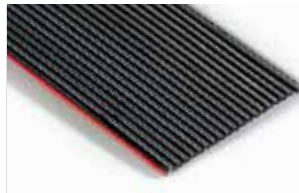


| Cable Type/Description | Round Conductor Flat Cable | Round Conductor Flat Cable | Round Conductor Flat Cable |
|---------------------------|----------------------------|----------------------------|----------------------------|
| Pitch/Centerline in. (mm) | .050 (1.27) | .050 (1.27) | .033 (0.838) |
| 3M Cable Series | 3365 | 3365NS | 3365A |
| Conductor Size (AWG) | 28 | 28 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) |
| Primary Insulation | PVC | PVC | PVC |
| Primary Color | Gray | Gray (No Stripe) | Black |
| 3M Drawing Number | TS-0080 | TS-0080 | TS-0080 |

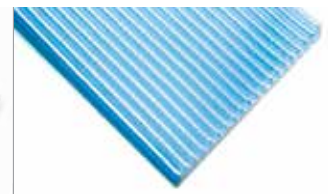
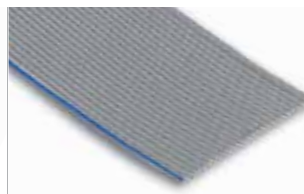
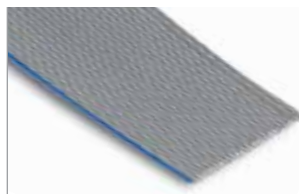


| Cable Type/Description | Round Conductor Flat Cable | Round Conductor Flat Cable, Medium Flex Life | Round Conductor Flat Cable, Medium Flex Life |
|---------------------------|----------------------------|--|--|
| Pitch/Centerline in. (mm) | .050 (1.27) | .050 (1.27) | .050 (1.27) |
| 3M Cable Series | 3667 | 3539 | 3539A |
| Conductor Size (AWG) | 28 | 28 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 19 × 0.079 (19 × 40) | 19 × 0.079 (19 × 40) |
| Primary Insulation | PVC | PVC | PVC |
| Primary Color | Gray | Gray | Black |
| 3M Drawing Number | TS-0247 | TS-0058 | TS-0058 |

3M™ Flat Ribbon Cable .050" Pitch (cont.)

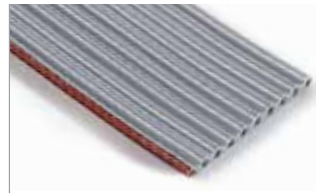
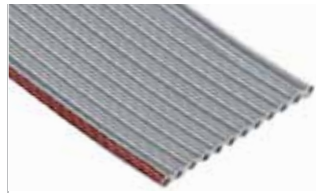


| Cable Type/Description | Round Conductor Flat Cable, High Flex Life | Round Conductor Flat Cable | Round Conductor Flat Cable |
|---------------------------|--|----------------------------|----------------------------|
| Pitch/Centerline in. (mm) | .050 (1.27) | .050 (1.27) | .050 (1.27) |
| 3M Cable Series | 3319 | 3801 | 3801A |
| Conductor Size (AWG) | 28 | 26 | 26 |
| Conductor Material | Silver Plated Copper Alloy | Tinned Copper | Tinned Copper |
| Conductor Stranding | 19 × 0.079 (19 × 40) | 7 × 0.160 (7 × 34) | 7 × 0.160 (7 × 34) |
| Primary Insulation | PVC | PVC | PVC |
| Primary Color | Black | Gray | Black |
| 3M Drawing Number | TS-0059 | TS-0063 | TS-0063 |

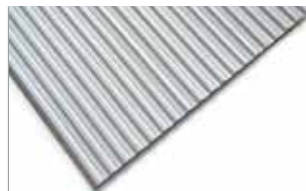


| Cable Type/Description | Round Conductor Flat Cable | Round Conductor Flat Cable | Round Conductor Flat Cable |
|---------------------------|----------------------------|----------------------------|----------------------------|
| Pitch/Centerline in. (mm) | .050 (1.27) | .050 (1.27) | .050 (1.27) |
| 3M Cable Series | 3355 | 3770 | 3601 |
| Conductor Size (AWG) | 28 | 26 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper | Silver Plated Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.160 (7 × 34) | 7 × 0.127 (7 × 36) |
| Primary Insulation | TPE | TPE | FEP |
| Primary Color | Gray | Gray | Blue |
| 3M Drawing Number | TS-0317 | TS-0342 | TS-0553 |

3M™ Flat Ribbon Cable .100" - .156" Pitch



| Cable Type/Description | Round Conductor Flat Cable | Round Conductor Flat Cable | Round Conductor Flat Cable for 3M™ Link Connectors |
|---------------------------|----------------------------|----------------------------|--|
| Pitch/Centerline in. (mm) | .100 (2.54) | .100 (2.54) | .100 (2.54) |
| 3M Cable Series | 8125 | 8124 | 79100-075-4F1 |
| Conductor Size (AWG) | 24 | 22 | 19 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Stranded Copper |
| Conductor Stranding | 7 × 0.203 (7 × 32) | 7 × 0.254 (7 × 30) | 0.75 mm ² (19 AWG), 30 strands × 0.18 mm (33 AWG) |
| Primary Insulation | PVC | PVC | PVC |
| Primary Color | Dark Gray | Dark Gray | Black, Red, White, Green |
| 3M Drawing Number | TS-0259 | TS-0084 | TS-2323 |



| Cable Type/Description | Round Conductor Flat Cable for CC-Link/LT | Round Conductor Flat Cable |
|---------------------------|--|----------------------------|
| Pitch/Centerline in. (mm) | .100 (2.54) | .156 (3.96) |
| 3M Cable Series | 79100-075-4FLT | 8132 |
| Conductor Size (AWG) | 18 | 18 |
| Conductor Material | Tinned Stranded Copper | Tinned Copper |
| Conductor Stranding | 0.75 mm ² (18 AWG), 35 strands × 0.18 mm (33 AWG) | 19 × 30 (19 × 0.254) |
| Primary Insulation | PVC | PVC |
| Primary Color | Light Blue with Orange stripe | Dark Gray |
| 3M Drawing Number | TS-2322 | TS-0057 |

3M™ Color Coded Flat Cable



| Cable Type/Description | Color Coded Flat Cable | Color Coded Flat Cable |
|---------------------------|------------------------|------------------------|
| Pitch/Centerline in. (mm) | .050 (1.27) | .050 (1.27) |
| 3M Cable Series | 3302 | 3811 |
| Conductor Size (AWG) | 28 | 26 |
| Conductor Material | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.160 (7 × 34) |
| Primary Insulation | PVC | PVC |
| Primary Color | 10 Color Repeat | 10 Color Repeat |
| 3M Drawing Number | TS-0123 | TS-0122 |

3M™ Twisted Pair Flat Cable



| Cable Type/Description | Twisted Pair Flat Cable | Twisted Pair Flat Cable |
|---------------------------|-------------------------|-------------------------|
| Pitch/Centerline in. (mm) | .050 (1.27) | .050 (1.27) |
| 3M Cable Series | 1700 | 3782 |
| Conductor Size (AWG) | 28 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) |
| Primary Insulation | PVC | PVC |
| Primary Color | 10 Color Repeat | 10 Color Repeat + White |
| 3M Drawing Number | TS-0115 | TS-0999 |

3M™ Ground Plane Cable



| Cable Type/Description | Ground Plane Flat Cable | Ground Plane Flat Cable | Ground Plane Flat Cable |
|---------------------------|-------------------------|-------------------------|-------------------------|
| Pitch/Centerline in. (mm) | .050 (1.27) | .050 (1.27) | .050 (1.27) |
| 3M Cable Series | 3469 | 3476 | 3353 |
| Conductor Size (AWG) | 28 | 28 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) |
| Primary Insulation | PVC | PVC | PVC |
| Primary Color | Gray | Gray | Gray |
| Jacket Insulation | Not Applicable | Not Applicable | Not Applicable |
| Jacket Color | Not Applicable | Not Applicable | Not Applicable |
| 3M Drawing Number | TS-0077 | TS-0071 | TS-0078 |

3M™ Jacketed Flat Ribbon Cable



| Cable Type/Description | Jacketed Flat Cable | Jacketed Flat Cable | Shielded, Jacketed Flat Cable |
|---------------------------|---------------------|---------------------|-------------------------------|
| Pitch/Centerline in. (mm) | .050 (1.27) | .050 (1.27) | .050 (1.27) |
| 3M Cable Series | 3603 | 3602 | 3517 |
| Conductor Size (AWG) | 28 | 26 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.160 (7 × 34) | 7 × 0.127 (7 × 36) |
| Primary Insulation | PVC | PVC | PVC |
| Primary Color | Gray | Gray | Gray |
| Jacket Insulation | PVC | PVC | PVC |
| Jacket Color | Black | Black | Black |
| 3M Drawing Number | TS-0060 | TS-1064 | TS-0069 |

3M™ Jacketed Flat Ribbon Cable (cont.)



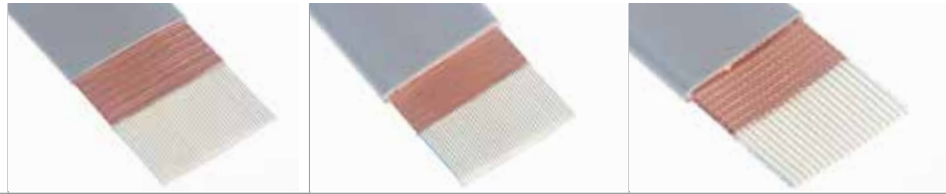
| Cable Type/Description | Shielded, Jacketed Flat Cable | Shielded, Jacketed Flat Cable | Shielded, Jacketed, Twisted Pair Flat Cable |
|---------------------------|-------------------------------|-------------------------------|---|
| Pitch/Centerline in. (mm) | .039 (1.0) | .039 (1.0) | .050 (1.27) |
| 3M Cable Series | 3844 | 3855 | 1785 |
| Conductor Size (AWG) | 28 | 28 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) |
| Primary Insulation | PVC | PVC | PVC |
| Primary Color | Gray | Gray | 10 Color Repeat + Tan (Ground) |
| Jacket Insulation | PVC | PVC | PVC |
| Jacket Color | Black | Black | Black |
| 3M Drawing Number | TS-2311 | TS-2333 | TS-0308 |

3M™ Pleated Foil Flat Cable



| Cable Type/Description | Pleated Foil Shielded Flat Cable | Pleated Foil Shielded Flat Cable | Pleated Foil Shielded Flat Cable |
|---------------------------|----------------------------------|----------------------------------|----------------------------------|
| Pitch/Centerline in. (mm) | .025 (0.635) | .025 (0.635) | .025 (0.635) |
| 3M Cable Series | 90111 | 90101 | 90202 |
| Conductor Size (AWG) | 30 | 30 | 30 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Copper |
| Conductor Stranding | Solid | Solid | 7 × 0.102 (7 × 38) |
| Primary Insulation | TPE | TPE | TPE |
| Primary Color | Translucent | Translucent | Gray |
| Jacket Insulation | PVC | PVC | TPE |
| Jacket Color | Gray | Gray | Gray |
| 3M Drawing Number | TS-0451 | TS-0285 | TS-0730 |

3M™ Pleated Foil Flat Cable (cont.)

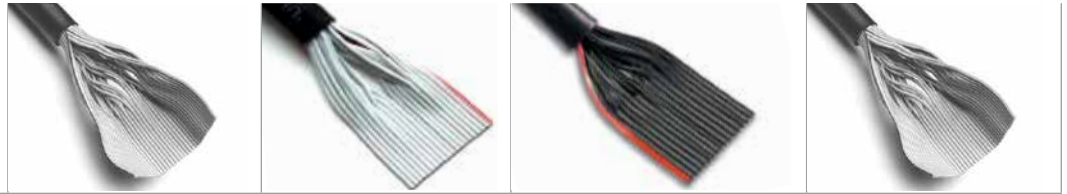


| Cable Type/Description | Pleated Foil Shielded Flat Cable | Pleated Foil Shielded Flat Cable | Pleated Foil Shielded Flat Cable |
|---------------------------|----------------------------------|----------------------------------|----------------------------------|
| Pitch/Centerline in. (mm) | .025 (0.635) | .025 (0.635) | .050 (1.27) |
| 3M Cable Series | 90201 | 90211 | 90104 |
| Conductor Size (AWG) | 30 | 30 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Copper |
| Conductor Stranding | Solid | Solid | 7 × 0.127 (7 × 36) |
| Primary Insulation | TPE | TPE | TPE |
| Primary Color | Translucent | Translucent | Translucent |
| Jacket Insulation | TPE | TPE | PVC |
| Jacket Color | Gray | Gray | Gray |
| 3M Drawing Number | TS-0402 | TS-0598 | TS-0288 |



| Cable Type/Description | Pleated Foil Shielded Flat Cable | Pleated Foil Shielded Flat Cable |
|---------------------------|----------------------------------|----------------------------------|
| Pitch/Centerline in. (mm) | .050 (1.27) | .025 (0.635) |
| 3M Cable Series | 90204 | 93101 |
| Conductor Size (AWG) | 28 | 30 |
| Conductor Material | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | Solid |
| Primary Insulation | TPE | TPE |
| Primary Color | Translucent | Translucent |
| Jacket Insulation | TPE | PVC |
| Jacket Color | Gray | Gray |
| 3M Drawing Number | TS-0403 | TS-0876 |

3M™ Round Jacketed Flat Cable



| Cable Type/Description | Round Jacketed Flat Cable | Round Jacketed Flat Cable | Round Jacketed Flat Cable, High Flex Life | Round Jacketed Flat Cable |
|---------------------------|---------------------------|---------------------------|---|---------------------------|
| Pitch/Centerline in. (mm) | .025 (0.635) | .050 (1.27) | .050 (1.27) | .050 (1.27) |
| 3M Cable Series | 3896 | 3759 | 3834 | 3758 |
| Conductor Size (AWG) | 30 | 28 | 28 | 26 |
| Conductor Material | Tinned Copper | Tinned Copper | Silver Plated Stranded Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.102 (7 × 38) | 7 × 0.127 (7 × 36) | 19 × 0.079 (19 × 40) | 7 × 0.160 (7 × 34) |
| Primary Insulation | PVC | PVC | PVC | PVC |
| Primary Color | Gray | Gray | Black | Gray |
| Jacket Insulation | PVC | PVC | PVC | PVC |
| Jacket Color | Black | Black | Black | Black |
| 3M Drawing Number | TS-2173 | TS-0070 | TS-1006 | TS-2200 |



| Cable Type/Description | Round Jacketed Twisted Pair Flat Cable | Round, Shielded, Jacketed, Flat Cable | Round, Jacketed, Shielded Twisted Pair Flat Cable |
|---------------------------|--|---------------------------------------|---|
| Pitch/Centerline in. (mm) | .050 (1.27) | .050 (1.27) | .050 (1.27) |
| 3M Cable Series | 3783 | 3659 | 3784 |
| Conductor Size (AWG) | 28 | 28 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.102 (7 × 38) | 7 × 0.127 (7 × 36) |
| Primary Insulation | PVC | PVC | PVC |
| Primary Color | 10 Color Repeat + White | Gray | 10 Color Repeat + White |
| Jacket Insulation | PVC | PVC | PVC |
| Jacket Color | Gray | Black | Gray |
| 3M Drawing Number | TS-2249 | TS-0083 | TS-2250 |

3M™ Round Jacketed Discrete Cable for Factory Automation



| Cable Type/Description | Round Conductor Round Cable for CC-Link/LT | Round Conductor Round Cable for CC-Link | Round Conductor Round Cable for CC-Link |
|---------------------------|---|--|--|
| Pitch/Centerline in. (mm) | Not Applicable | Not Applicable | Not Applicable |
| 3M Cable Series | 79100-075-4ZLT | 79100-110SBZ-5 | 79100-110SBH |
| Conductor Size (AWG) | 18 | 20 | 20 |
| Conductor Material | Tinned Copper | Stranded Copper | Stranded Copper |
| Conductor Stranding | 0.75 mm ² (18 AWG), 7 strands x 0.08 mm (22 AWG) | 0.50 mm ² (20 AWG), 3/33 strands x 0.08 mm (22 AWG) | 0.50 mm ² (20 AWG), 3/33 strands x 0.08 mm (22 AWG) |
| Primary Insulation | ETFE (Flurocarbon polymer) | PE (Polyethylene) | PE (Polyethylene) |
| Primary Color | Black, Red, White, Green | Yellow, White, Blue | Yellow, White, Blue |
| Jacket Insulation | Oil Resistant PVC | Oil Resistant PVC | Oil Resistant PVC |
| Jacket Color | Black | Dark Brown | Brown |
| 3M Drawing Number | TS-2325 | TS-2324 | TS-2321 |

3M™ Twisted Pair Round Jacketed Cable



| Cable Type/Description | Round, Shielded, Jacketed, Discrete Wire Cable | Round, Shielded, Jacketed, Discrete Wire Cable | Round, Shielded, Jacketed, Discrete Wire Cable |
|---------------------------|--|--|--|
| Pitch/Centerline in. (mm) | Not Applicable | Not Applicable | Not Applicable |
| 3M Cable Series | 3644A | 3644B | 3647B |
| Conductor Size (AWG) | 28 | 28 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper | Not Applicable |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) |
| Primary Insulation | Polyolefin | Polyolefin | Polyolefin |
| Primary Color | Color Coded | Color Coded | Color Coded |
| Jacket Insulation | PVC | PVC | PVC |
| Jacket Color | Black | Beige | Beige |
| 3M Drawing Number | TS-0826 | TS-0826 | TS-0582 |

3M™ Twisted Pair Round Jacketed Cable (Cont.)



| Cable Type/Description | Round, Shielded, Jacketed, Discrete Flat Cable | Round, Shielded, Jacketed, Discrete Flat Cable | Round, Shielded, Jacketed, Discrete Flat Cable |
|---------------------------|--|--|--|
| Pitch/Centerline in. (mm) | Not Applicable | Not Applicable | Not Applicable |
| 3M Cable Series | KU-C-KMPVV | 3600A | 3600B |
| Conductor Size (AWG) | 28 | 28 | 28 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) | 7 × 0.127 (7 × 36) |
| Primary Insulation | PVC | PVC | PVC |
| Primary Color | Color Coded | Color Coded | Color Coded |
| Jacket Insulation | PVC | PVC | PVC |
| Jacket Color | Cream | Black | Beige |
| 3M Drawing Number | TS-2173 | TS-0388 | TS-0388 |



| Cable Type/Description | Round, Shielded, Jacketed, Discrete Flat Cable | Round, Shielded, Jacketed, Discrete Wire Cable | Round, Shielded, Jacketed, Discrete Wire Cable |
|---------------------------|--|--|--|
| Pitch/Centerline in. (mm) | Not Applicable | Not Applicable | Not Applicable |
| 3M Cable Series | 3600G | 3560 | 3750 |
| Conductor Size (AWG) | 28 | 26 | 26 |
| Conductor Material | Tinned Copper | Tinned Copper | Tinned Copper |
| Conductor Stranding | 7 × 0.127 (7 × 36) | Solid | 7 × 0.160 (7 × 34) |
| Primary Insulation | PVC | PVC | PVC |
| Primary Color | Color Coded | Color Coded | Color Coded |
| Jacket Insulation | PVC | PVC | PVC |
| Jacket Color | Gray | Gray | Gray |
| 3M Drawing Number | TS-0388 | TS-0672 | TS-0072 |

3M™ Cable Accessories



| Accessory Type | PVC Shielded Jacket | High Flex Life Braided Shield |
|----------------------------------|---|---|
| 3M Cable Accessory Series | 3617 | DS/FS |
| Description | Fits cable width sizes 1.5, 2.4 and 3.5 inch; .035 thick PVC jacket with expanded copper shield | 0.2 - 0.6 inch diameter, 1.2 and 1.5 inch widths; conductive high flex cable shielding sleeve |
| Conductor Material | Not Applicable | Tinned copper foil wound spirally over glass fibers |
| Primary Insulation | PVC | Not Applicable |
| Primary Color | Black | Bright Tin |
| 3M Drawing Number | TS-0308 | TS-0713 |



| Accessory Type | Drain Wire Spring Clip | Cable Clamp | Strain Relief Grounding Clamp |
|----------------------------------|---|--|--|
| 3M Cable Accessory Series | 3535 | 3484 | 3504 |
| Description | One size fits 9-64 conductor round cable; used to attach a ground wire to the shield of a round cable | Organizes cable by clamping and retaining; used to organize up to six layers of flat cable | Jacketed cable strain relief/grounding clamp; mounting brackets used to transfer stresses and strains to the cabinet and provide grounding |
| Material | Stainless Steel | PVC | Aluminum |
| Primary Color | Silver | Gray | Aluminum |
| 3M Drawing Number | TS-0269 | TS-0260 | TS-0268 |

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AWG Conversion Table

| AWG | Individual Strands | | Overall Conductor Construction | |
|-----|--------------------|-------------------------------|--------------------------------|---|
| | Number | Outside Diameter mm / inch | Outside Diameter mm / inch | Cross Section mm ² / Circ. Mils |
| 22 | 1 | 0.643 / 0.0253 | 0.64 / 0.0253 | 0.326 / 640 |
| 22 | 7 | 0.254 / 0.0100 | 0.78 / 0.0300 | 0.355 / 700 |
| 22 | 19 | 0.160 / 0.0063 | 0.81 / 0.0320 | 0.382 / 750 |
| 24 | 1 | 0.510 / 0.0201 | 0.51 / 0.0201 | 0.205 / 404 |
| 24 | 7 | 0.203 / 0.0080 | 0.61 / 0.0240 | 0.227 / 448 |
| 24 | 19 | 0.127 / 0.0050 | 0.64 / 0.0250 | 0.241 / 475 |
| 26 | 1 | 0.404 / 0.0159 | 0.40 / 0.0159 | 0.128 / 253 |
| 26 | 7 | 0.160 / 0.0063 | 0.48 / 0.0190 | 0.141 / 275 |
| 26 | 19 | 0.102 / 0.0040 | 0.51 / 0.0200 | 0.149 / 304 |
| 28 | 1 | 0.320 / 0.0126 | 0.32 / 0.0126 | 0.080 / 124 |
| 28 | 7 | 0.127 / 0.0050 | 0.38 / 0.0150 | 0.089 / 175 |
| 28 | 19 | 0.080 / 0.0031 | 0.40 / 0.0160 | 0.092 / 201 |
| 30 | 1 | 0.250 / 0.0100 | 0.25 / 0.0100 | 0.050 / 100 |
| 30 | 7 | 0.102 / 0.0040 | 0.30 / 0.0120 | 0.057 / 112 |

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*Advantages of LSZH insulation are the low smoke (IEC 61034-2:2005), low toxicity of combustion gases (NF X 70-100-2:2006), reducing the risk to firefighters and reducing the soot and corrosion damage to nearby equipment. "RoHS Compliant 2002/95/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. This information represents 3M's knowledge and belief, which may be based in whole or in part on 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 statement below.

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