

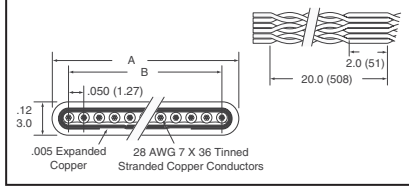
# 3M Shielded/Jacketed Flat Cable – 1785 Series

UL File No.: E118773  
AWM Style No.: 2912

**PHYSICAL:** • .050" pitch • Jacket Material: Polyvinyl Chloride (PVC) • Jacket Color: Black • Primary Material: PVC • Primary Color: 10 Color Repeat with Tan Common • Shielding: Expanded Copper

**ELECTRICAL:** • Voltage Rating: USA: N.E.C. 725, CL2 or AWM 150V; Canada: 150V; EU: >50V • Insulation Resistance: >1 x 10<sup>10</sup>/10 feet

**ENVIRONMENTAL:** • Temperature Rating: -20°C - 80°C



| No. of Contacts | Dimensions Inch (mm) |              | Digi-Key Part No. | Note: X in Digi-Key Part No. Represents No. of Feet |         |         |          |
|-----------------|----------------------|--------------|-------------------|---|---------|---------|----------|
|                 | A                    | B            |                   | 5 ft.*  | 10 ft.* | 25 ft.* | 100 ft.* |
| 16              | 0.93 (23.60)         | 0.75 (19.05) | MB16F-X-ND        | 35.89   | 80.06   | 138.04  | 220.86   |
| 20              | 1.13 (28.70)         | 0.95 (24.13) | MB20F-X-ND        | 41.47   | 92.51   | 159.50  | 255.20   |
| 26              | 1.43 (36.30)         | 1.25 (31.75) | MB26F-X-ND        | 53.91   | 120.26  | 207.34  | 331.74   |
| 34              | 1.83 (46.50)         | 1.65 (41.91) | MB34F-X-ND        | 70.50   | 157.27  | 271.15  | 433.84   |
| 36              | 1.93 (49.00)         | 1.75 (44.45) | MB36F-X-ND        | 74.65   | 166.52  | 287.10  | 459.36   |
| 40              | 2.13 (54.10)         | 1.95 (49.53) | MB40F-X-ND        | 88.52   | 197.48  | 340.48  | 544.76   |
| 50              | 2.63 (66.80)         | 2.45 (62.23) | MB50F-X-ND        | 103.68  | 231.28  | 398.75  | 638.00   |
| 60              | 3.13 (79.50)         | 2.95 (74.93) | MB60F-X-ND        | 124.41  | 277.52  | 478.49  | 765.58   |
| 64              | 3.38 (85.90)         | 3.15 (80.01) | MB64F-X-ND        | 141.63  | 315.95  | 544.74  | 871.58   |

\* Cable available on xxx foot roll

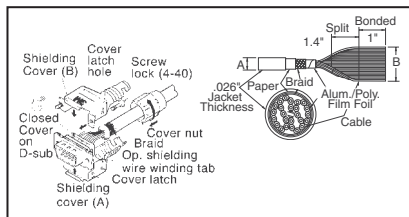
# Round Jacketed/Shielded Flat Cable – 3659 Series

UL File No.: E118773  
AWM Style No.: 20267

**PHYSICAL:** • .050" pitch • Jacket Material: Polyvinyl Chloride (PVC) • Jacket Color: Black • Primary Material: PVC • Primary Color: Gray • Conductors: 28 AWG 7 x 36 Tinned Stranded Copper • Shielding: 0.001" (0.03mm) Thick Aluminum/Polyester Film Foil and 90% Coverage Tinned Copper Braid

**ELECTRICAL:** • Voltage Rating: USA: N.E.C. 725, CL2 or AWM 300V; Canada: 300V; EU: >50V • Insulation Resistance: >1 x 10<sup>10</sup>/10 feet

**ENVIRONMENTAL:** • Temperature Rating: -20°C - 80°C



| No. of Contacts | Dimensions Inch (mm) |             | Digi-Key Part No. | Note: X in Digi-Key Part No. Represents No. of Feet |         |         |          |
|-----------------|----------------------|-------------|-------------------|---|---------|---------|----------|
|                 | A                    | B           |                   | 5 ft.*  | 10 ft.* | 25 ft.* | 100 ft.* |
| 9               | 0.27 (6.9)           | 0.40 (10.2) | MC09R-X-ND        | 10.24   | 19.02   | 42.43   | 73.15    |
| 10              | 0.27 (6.9)           | 0.45 (11.4) | MC10R-X-ND        | 10.72   | 19.91   | 44.42   | 76.59    |
| 14              | 0.31 (7.9)           | 0.65 (16.5) | MC14R-X-ND        | 11.65   | 21.64   | 48.27   | 83.23    |
| 15              | 0.31 (7.9)           | 0.70 (17.8) | MC15R-X-ND        | 12.12   | 22.51   | 50.21   | 86.56    |
| 16              | 0.31 (7.9)           | 0.75 (19.1) | MC16R-X-ND        | 12.58   | 23.36   | 52.11   | 89.85    |
| 20              | 0.34 (8.6)           | 0.95 (24.1) | MC20R-X-ND        | 13.05   | 24.24   | 54.06   | 93.21    |
| 24              | 0.37 (9.4)           | 1.15 (29.2) | MC24R-X-ND        | 13.98   | 25.96   | 57.92   | 99.86    |
| 25              | 0.37 (9.4)           | 1.20 (30.5) | MC25R-X-ND        | 14.42   | 26.78   | 59.73   | 102.99   |
| 26              | 0.37 (9.4)           | 1.25 (31.8) | MC26R-X-ND        | 14.91   | 27.70   | 61.78   | 106.53   |
| 34              | 0.41 (10.4)          | 1.65 (41.9) | MC34R-X-ND        | 16.78   | 31.16   | 69.51   | 119.85   |
| 36              | 0.43 (10.9)          | 1.75 (44.5) | MC36R-X-ND        | 17.24   | 32.03   | 71.44   | 123.18   |
| 37              | 0.43 (10.9)          | 1.80 (45.7) | MC37R-X-ND        | 17.71   | 32.89   | 73.37   | 126.50   |
| 40              | 0.43 (10.9)          | 1.95 (49.5) | MC40R-X-ND        | 18.18   | 33.76   | 75.31   | 129.84   |
| 50              | 0.48 (12.2)          | 2.45 (62.2) | MC50R-X-ND        | 20.97   | 38.95   | 86.88   | 149.80   |
| 60              | 0.51 (13.0)          | 2.95 (74.9) | MC60R-X-ND        | 23.51   | 43.66   | 97.40   | 167.94   |
| 64              | 0.54 (13.7)          | 3.15 (80.0) | MC64R-X-ND        | 24.70   | 45.87   | 102.33  | 176.44   |

\* Cable available on xxx foot roll

| No. of Contacts                                       | Digi-Key Part No. | Pricing |        |         |         | 3M Part No. |
|---|-------------------|---------|--------|---------|---------|-------------|
|   |                   | 1       | 100    | 500     | 1,000   |             |
| <b>D-Sub Backshells</b>                               |                   |         |        |         |         |             |
| 9   | MDBS09-ND         | 3.93    | 298.62 | 1351.35 | 2457.00 | 3357-9209   |
| 15  | MDBS15-ND         | 4.35    | 330.22 | 1494.35 | 2717.00 | 3357-9215   |
| 25  | MDBS25-ND         | 4.97    | 377.62 | 1708.85 | 3107.00 | 3357-9225   |
| 37  | MDBS37-ND         | 7.26    | 551.42 | 2495.35 | 4537.00 | 3357-9237   |
| 50  | MDBS50-ND         | 11.40   | 865.84 | 3918.20 | 7124.00 | 3357-9250   |
| <b>Thumbscrew Kit (2 Thumbscrews and 2 Retainers)</b> |                   |         |        |         |         |             |
| —   | MDS07-ND          | 3.97    | 301.78 | 1365.65 | 2483.00 | 3341-7      |

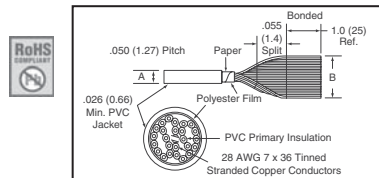
# Round/Jacketed Flat Cable – 3759 Series

UL File No.: E118773  
AWM Style No.: 20267

**PHYSICAL:** • .050" pitch • Jacket Material: Polyvinyl Chloride (PVC) • Jacket Color: Black • Primary Material: PVC

**ELECTRICAL:** • Voltage Rating: USA: N.E.C. 725, CL2 or AWM 300V; Canada: 300V; EU: <50V • Insulation Resistance: >1 x 10<sup>10</sup>/10 feet

**ENVIRONMENTAL:** • Temperature Rating: -20°C - 80°C



| No. of Contacts | Dimensions Inch (mm) |             | Digi-Key Part No. | Note: X in Digi-Key Part No. Represents No. of Feet |         |         |          |
|-----------------|----------------------|-------------|-------------------|---|---------|---------|----------|
|                 | A                    | B           |                   | 5 ft.*  | 10 ft.* | 25 ft.* | 100 ft.* |
| 9               | 0.26 (6.6)           | 0.40 (10.2) | MB09A-X-ND        | 8.75  | 16.25   | 36.25   | 62.50    |
| 10              | 0.26 (6.6)           | 0.45 (11.4) | MB10A-X-ND        | 9.16  | 17.01   | 37.95   | 65.43    |
| 14              | 0.27 (6.9)           | 0.65 (16.5) | MB14A-X-ND        | 9.95  | 18.49   | 41.24   | 71.10    |

| No. of Contacts | Dimensions Inch (mm) |             | Digi-Key Part No. | Note: X in Digi-Key Part No. Represents No. of Feet |         |         |         |          |
|-----------------|----------------------|-------------|-------------------|---|---------|---------|---------|----------|
|                 | A                    | B           |                   | 5 ft.*  | 10 ft.* | 25 ft.* | 50 ft.* | 100 ft.* |
| 15              | 0.27 (6.9)           | 0.70 (17.8) | MB15A-X-ND        | 10.35   | 19.23   | 42.89   | 73.95   |          |
| 16              | 0.27 (6.9)           | 0.75 (19.1) | MB16A-X-ND        | 10.75   | 19.96   | 44.54   | 76.79   |          |
| 20              | 0.30 (7.6)           | 0.95 (24.1) | MB20A-X-ND        | 11.15   | 20.71   | 46.19   | 79.64   |          |
| 24              | 0.33 (8.4)           | 1.15 (29.2) | MB24A-X-ND        | 11.95   | 22.18   | 49.49   | 85.33   |          |
| 25              | 0.33 (8.4)           | 1.20 (30.5) | MB25A-X-ND        | 12.32   | 22.88   | 51.04   | 88.00   |          |
| 26              | 0.33 (8.4)           | 1.25 (31.8) | MB26A-X-ND        | 12.74   | 23.67   | 52.79   | 91.03   |          |
| 30              | 0.37 (9.4)           | 1.45 (36.8) | MB30A-X-ND        | 12.68   | 23.56   | 52.55   | 90.60   |          |
| 34              | 0.37 (9.4)           | 1.65 (41.9) | MB34A-X-ND        | 14.34   | 26.62   | 59.39   | 102.40  |          |
| 36              | 0.39 (9.9)           | 1.75 (44.5) | MB36A-X-ND        | 14.73   | 27.36   | 61.04   | 105.24  |          |
| 37              | 0.39 (9.9)           | 1.80 (45.7) | MB37A-X-ND        | 15.13   | 28.10   | 62.68   | 108.08  |          |
| 40              | 0.39 (9.9)           | 1.95 (49.5) | MB40A-X-ND        | 15.53   | 28.84   | 64.34   | 110.93  |          |
| 50              | 0.44 (11.2)          | 2.45 (62.2) | MB50A-X-ND        | 17.92   | 33.28   | 74.23   | 127.99  |          |
| 60              | 0.47 (11.9)          | 2.95 (74.9) | MB60A-X-ND        | 20.09   | 37.31   | 83.22   | 143.49  |          |
| 64              | 0.50 (12.7)          | 3.15 (80.0) | MB64A-X-ND        | 21.10   | 39.19   | 87.43   | 150.74  |          |

\* Cable available on xxx foot roll

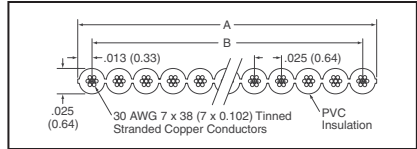
# .025" Gray Flat Cable – 3754 Series

UL File No.: E118773  
AWM Style No.: 20267

**PHYSICAL:** • PVC Insulation • 30 AWG Stranded on .025" spacing

**ELECTRICAL:** • Voltage Rating: 30V • Flammability Rating: USA: VW-1 Canada: FT1

**ENVIRONMENTAL:** • Temperature Rating: -20°C - 105°C



| No. of Contacts | Dimensions Inch (mm) |               | Digi-Key Part No. | Note: X in Digi-Key Part No. Represents No. of Feet |         |         |         |          |
|-----------------|----------------------|---------------|-------------------|---|---------|---------|---------|----------|
|                 | A                    | B             |                   | 5 ft.*  | 10 ft.* | 25 ft.* | 50 ft.* | 100 ft.* |
| 20              | 0.50 (12.70)         | 0.475 (12.07) | MB20G-X-ND        | 3.65  | 6.77    | 15.10   | 26.04   |          |
| 26              | 0.60 (15.25)         | 0.625 (15.88) | MB26G-X-ND        | 4.74  | 8.80    | 19.63   | 33.85   |          |
| 30              | 0.75 (19.05)         | 0.725 (18.42) | MB30G-X-ND        | 5.47  | 10.16   | 22.65   | 39.06   |          |
| 40              | 1.00 (25.40)         | 0.975 (24.77) | MB40G-X-ND        | 7.29  | 13.54   | 30.21   | 52.08   |          |
| 50              | 1.25 (31.75)         | 1.225 (31.12) | MB50G-X-ND        | 9.11  | 16.93   | 37.76   | 65.10   |          |
| 60              | 1.50 (38.10)         | 1.475 (37.47) | MB60G-X-ND        | 10.94   | 20.31   | 45.31   | 78.12   |          |
| 68              | 1.70 (43.18)         | 1.675 (42.55) | MB68G-X-ND        | 12.40   | 23.02   | 51.35   | 88.54   |          |
| 80              | 2.00 (50.80)         | 1.975 (50.17) | MB80G-X-ND        | 14.58   | 27.08   | 60.41   | 104.16  |          |
| 100             | 2.50 (63.50)         | 2.475 (62.87) | MB100G-X-ND       | 18.23   | 33.85   | 75.52   | 130.20  |          |

\* Cable available on xxx foot roll

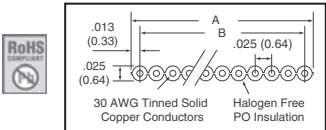
# Round Conductor Flat Cable – 2049 Series

UL File No.: E42769  
AWM Style No.: 20930

**PHYSICAL:** • .025" pitch • Insulation Material: Halogen Free Polyolefin (PO) • Color: Off-White

**ELECTRICAL:** • Voltage Rating: USA: 30V; EU: <50V • Insulation Resistance: >1 x 10<sup>10</sup>/10 feet

**ENVIRONMENTAL:** • Temperature Rating: -40°C - 105°C



| No. of Contacts | Dimensions Inch (mm) |               | Digi-Key Part No. | Note: X in Digi-Key Part No. Represents No. of Feet |         |         |         |          |
|-----------------|----------------------|---------------|-------------------|---|---------|---------|---------|----------|
|                 | A                    | B             |                   | 5 ft.*  | 10 ft.* | 25 ft.* | 50 ft.* | 100 ft.* |
| 20              | 0.50 (12.70)         | 0.475 (12.07) | MB20K-X-ND        | 6.23  | 11.56   | 25.80   | 44.48   |          |
| 40              | 1.00 (25.40)         | 0.975 (24.77) | MB40K-X-ND        | 13.13   | 24.38   | 54.38   | 93.75   |          |
| 50              | 1.25 (31.75)         | 1.225 (31.12) | MB50K-X-ND        | 15.65   | 29.07   | 64.85   | 111.81  |          |
| 60              | 1.50 (38.10)         | 1.475 (37.47) | MB60K-X-ND        | 18.68   | 34.69   | 77.39   | 133.43  |          |
| 68              | 1.70 (43.18)         | 1.675 (42.55) | MB68K-X-ND        | 21.17   | 39.32   | 87.70   | 151.21  |          |
| 80              | 2.00 (50.80)         | 1.975 (50.17) | MB80K-X-ND        | 24.91   | 46.25   | 103.18  | 177.90  |          |
| 100             | 2.50 (63.50)         | 2.475 (62.87) | MB100K-X-ND       | 31.13   | 57.81   | 128.97  | 222.36  |          |

\* Cable available on xxx foot roll

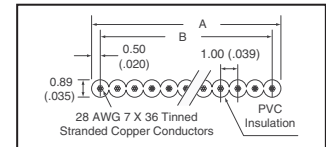
# Round Conductor Flat Cable – 3625 Series

UL File No.: E42769  
AWM Style No.: 2651

**PHYSICAL:** • 1.0mm pitch • Insulation Material: Polyvinyl Chloride (PVC) • Color: Gray

**ELECTRICAL:** • Voltage Rating: USA: 300V; Canada: 300V; EU: <50V • Insulation Resistance: >1 x 10<sup>10</sup>/10 feet

**ENVIRONMENTAL:** • Temperature Rating: -20°C - 105°C



| No. of Contacts | Dimensions Inch (mm) |               | Digi-Key Part No. | Note: X in Digi-Key Part No. Represents No. of Meters |       |        |        |        |
|-----------------|----------------------|---------------|-------------------|---|-------|--------|--------|--------|
|                 | A                    | B             |                   | 5 M*  | 10 M* | 25 M*  | 50 M*  | 100 M* |
| 8               | 0.315 (8.00)         | 0.276 (7.00)  | MC08L-X-ND        | 5.96  | 11.07 | 24.69  | 42.56  |        |
| 14              | 0.551 (14.00)        | 0.512 (13.00) | MC14L-X-ND        | 11.47   | 21.31 | 47.53  | 81.95  |        |
| 16              | 0.630 (16.00)        | 0.591 (15.00) | MC16L-X-ND        | 13.11   | 24.35 | 54.32  | 93.65  |        |
| 20              | 0.787 (20.00)        | 0.748 (19.00) | MC20L-X-ND        | 14.90   | 27.67 | 61.73  | 106.43 |        |
| 22              | 0.866 (22.00)        | 0.827 (21.00) | MC22L-X-ND        | 18.03   | 33.48 | 74.69  | 128.78 |        |
| 24              | 0.945 (24.00)        | 0.906 (23.00) | MC24L-X-ND        | 19.67   | 36.53 | 81.48  | 140.49 |        |
| 26              | 1.024 (26.00)        | 0.984 (25.00) | MC26L-X-ND        | 21.30   | 39.57 | 88.26  | 152.18 |        |
| 30              | 1.181 (30.00)        | 1.142 (29.00) | MC30L-X-ND        | 24.58   | 46.65 | 101.84 | 175.59 |        |
| 34              | 1.339 (34.00)        | 1.299 (33.00) | MC34L-X-ND        | 27.86   | 51.74 | 115.43 | 199.01 |        |
| 36              | 1.417 (36.00)        | 1.378 (35.00) | MC36L-X-ND        | 26.82   | 49.80 | 111.10 | 191.55 |        |
| 40              | 1.575 (40.00)        | 1.535 (39.00) | MC40L-X-ND        | 32.78   | 60.88 | 135.80 | 234.14 |        |

\* Cable available on xxx meter roll

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