



.050" (1.27mm) Flat Flex Cable Assemblies



.050 (1.27mm) Flat Flex Cable Material: • Insulation: Flame retardant polyester film **Performance Characteristics:** • Current Rating: 1.5 amperes (30AWG equivalent) • Voltage Rating: 300 volts • Temperature Rating: -20°C - 105°C • Insulation Flammability: Polyester, self-extinguishing per UL Flame Test VW-1 • Dielectric Strength: 2500V/MIL

Solder Tab to Solder Tab



| No. of Contacts | Length In. (mm) | Digi-Key Part No. | Pricing | | |
|-----------------|-----------------|-------------------|---------|--------|--------|
| | | | 1 | 10 | 100 |
| 4 | 2 (50.80) | A9AAT-0402E-ND | .83 | 6.73 | 49.56 |
| | 3 (76.20) | A9AAT-0403E-ND | .97 | 7.87 | 57.96 |
| | 4 (101.60) | A9AAT-0404E-ND | 1.11 | 9.01 | 66.36 |
| | 5 (127.00) | A9AAT-0405E-ND | 1.25 | 10.15 | 74.76 |
| | 6 (152.40) | A9AAT-0406E-ND | 1.39 | 11.29 | 83.16 |
| 8 (203.20) | A9AAT-0408E-ND | 1.67 | 13.57 | 99.96 | |
| 5 | 2 (50.80) | A9AAT-0502E-ND | .97 | 7.89 | 58.17 |
| | 3 (76.20) | A9AAT-0503E-ND | 1.11 | 9.06 | 66.78 |
| | 4 (101.60) | A9AAT-0504E-ND | 1.26 | 10.23 | 75.39 |
| | 5 (127.00) | A9AAT-0505E-ND | 1.40 | 11.40 | 84.00 |
| | 6 (152.40) | A9AAT-0506E-ND | 1.54 | 12.57 | 92.61 |
| 8 (203.20) | A9AAT-0508E-ND | 1.83 | 14.91 | 109.83 | |
| 6 | 2 (50.80) | A9AAT-0602E-ND | 1.11 | 9.06 | 66.78 |
| | 3 (76.20) | A9AAT-0603E-ND | 1.26 | 10.26 | 75.60 |
| | 4 (101.60) | A9AAT-0604E-ND | 1.41 | 11.46 | 84.42 |
| | 5 (127.00) | A9AAT-0605E-ND | 1.55 | 12.65 | 93.24 |
| | 6 (152.40) | A9AAT-0606E-ND | 1.70 | 13.85 | 102.06 |
| 8 (203.20) | A9AAT-0608E-ND | 2.00 | 16.25 | 119.70 | |
| 7 | 2 (50.80) | A9AAT-0702E-ND | 1.26 | 10.23 | 75.39 |
| | 3 (76.20) | A9AAT-0703E-ND | 1.41 | 11.46 | 84.42 |
| | 4 (101.60) | A9AAT-0704E-ND | 1.56 | 12.68 | 93.45 |
| | 5 (127.00) | A9AAT-0705E-ND | 1.71 | 13.91 | 102.48 |
| | 6 (152.40) | A9AAT-0706E-ND | 1.86 | 15.13 | 111.51 |
| 8 (203.20) | A9AAT-0708E-ND | 2.16 | 17.58 | 129.57 | |
| 8 | 2 (50.80) | A9AAT-0802E-ND | 1.40 | 11.40 | 84.00 |
| | 3 (76.20) | A9AAT-0803E-ND | 1.55 | 12.65 | 93.24 |
| | 4 (101.60) | A9AAT-0804E-ND | 1.71 | 13.91 | 102.48 |
| | 5 (127.00) | A9AAT-0805E-ND | 1.86 | 15.16 | 111.72 |
| | 6 (152.40) | A9AAT-0806E-ND | 2.02 | 16.42 | 120.96 |
| 8 (203.20) | A9AAT-0808E-ND | 2.32 | 18.92 | 139.44 | |
| 10 | 2 (50.80) | A9AAT-1002E-ND | 1.69 | 13.74 | 101.22 |
| | 3 (76.20) | A9AAT-1003E-ND | 1.85 | 15.05 | 110.88 |
| | 4 (101.60) | A9AAT-1004E-ND | 2.01 | 16.36 | 120.54 |
| | 5 (127.00) | A9AAT-1005E-ND | 2.17 | 17.67 | 130.20 |
| | 6 (152.40) | A9AAT-1006E-ND | 2.33 | 18.98 | 139.86 |
| 8 (203.20) | A9AAT-1008E-ND | 2.65 | 21.60 | 159.18 | |
| 12 | 2 (50.80) | A9AAT-1202E-ND | 1.98 | 16.13 | 118.86 |
| | 3 (76.20) | A9AAT-1203E-ND | 2.15 | 17.53 | 129.15 |
| | 4 (101.60) | A9AAT-1204E-ND | 2.32 | 18.92 | 139.44 |
| | 5 (127.00) | A9AAT-1205E-ND | 2.50 | 20.32 | 149.73 |
| | 6 (152.40) | A9AAT-1206E-ND | 2.67 | 21.72 | 160.02 |
| 8 (203.20) | A9AAT-1208E-ND | 3.01 | 24.51 | 180.60 | |
| 17 | 2 (50.80) | A9AAT-1702E-ND | 2.73 | 22.26 | 164.01 |
| | 3 (76.20) | A9AAT-1703E-ND | 2.94 | 23.94 | 176.40 |
| | 4 (101.60) | A9AAT-1704E-ND | 3.15 | 25.62 | 188.79 |
| | 5 (127.00) | A9AAT-1705E-ND | 3.35 | 27.30 | 201.18 |
| | 6 (152.40) | A9AAT-1706E-ND | 3.56 | 28.98 | 213.57 |
| 8 (203.20) | A9AAT-1708E-ND | 3.97 | 32.35 | 238.35 | |
| 20 | 2 (50.80) | A9AAT-2002E-ND | 3.21 | 26.11 | 192.36 |
| | 3 (76.20) | A9AAT-2003E-ND | 3.44 | 28.04 | 206.64 |
| | 4 (101.60) | A9AAT-2004E-ND | 3.68 | 29.98 | 220.92 |
| | 5 (127.00) | A9AAT-2005E-ND | 3.92 | 31.92 | 235.20 |
| | 6 (152.40) | A9AAT-2006E-ND | 4.16 | 33.86 | 249.48 |
| 8 (203.20) | A9AAT-2008E-ND | 4.63 | 37.73 | 278.04 | |
| 22 | 2 (50.80) | A9AAT-2202E-ND | 3.52 | 28.67 | 211.26 |
| | 3 (76.20) | A9AAT-2203E-ND | 3.78 | 30.78 | 226.80 |
| | 4 (101.60) | A9AAT-2204E-ND | 4.04 | 32.89 | 242.34 |
| | 5 (127.00) | A9AAT-2205E-ND | 4.30 | 35.00 | 257.88 |
| | 6 (152.40) | A9AAT-2206E-ND | 4.56 | 37.11 | 273.42 |
| 8 (203.20) | A9AAT-2208E-ND | 5.08 | 41.33 | 304.50 | |
| 25 | 2 (50.80) | A9AAT-2502E-ND | 4.02 | 32.72 | 241.08 |
| | 3 (76.20) | A9AAT-2503E-ND | 4.32 | 35.17 | 259.14 |
| | 4 (101.60) | A9AAT-2504E-ND | 4.62 | 37.62 | 277.20 |
| | 5 (127.00) | A9AAT-2505E-ND | 4.92 | 40.07 | 295.26 |
| | 6 (152.40) | A9AAT-2506E-ND | 5.22 | 42.52 | 313.32 |
| 8 (203.20) | A9AAT-2508E-ND | 5.82 | 47.42 | 349.44 | |

Receptacle Housing to Solder Tab



Housing Contacts — Material and Finish: Phosphor bronze; plated gold duplex or bright tin-lead overall. Duplex plated 30µ gold on mating area.

| No. of Contacts | Length In. (mm) | Digi-Key Part No. | Pricing | | |
|-----------------|-----------------|-------------------|---------|--------|--------|
| | | | 1 | 10 | 100 |
| 4 | 2 (50.80) | A9BAA-0402E-ND | 2.57 | 20.89 | 153.93 |
| | 3 (76.20) | A9BAA-0403E-ND | 2.71 | 22.03 | 162.33 |
| | 4 (101.60) | A9BAA-0404E-ND | 2.85 | 23.17 | 170.73 |
| | 5 (127.00) | A9BAA-0405E-ND | 2.99 | 24.31 | 179.13 |
| | 6 (152.40) | A9BAA-0406E-ND | 3.13 | 25.45 | 187.53 |
| 8 (203.20) | A9BAA-0408E-ND | 3.41 | 27.73 | 204.33 | |

| No. of Contacts | Length In. (mm) | Digi-Key Part No. | Pricing | | |
|-----------------|-----------------|-------------------|---------|--------|--------|
| | | | 1 | 10 | 100 |
| 5 | 2 (50.80) | A9BAA-0502E-ND | 3.84 | 31.24 | 230.16 |
| | 3 (76.20) | A9BAA-0503E-ND | 3.98 | 32.40 | 238.77 |
| | 4 (101.60) | A9BAA-0504E-ND | 4.12 | 33.57 | 247.38 |
| | 5 (127.00) | A9BAA-0505E-ND | 4.27 | 34.74 | 255.99 |
| | 6 (152.40) | A9BAA-0506E-ND | 4.41 | 35.91 | 264.60 |
| 8 (203.20) | A9BAA-0508E-ND | 4.70 | 38.25 | 281.82 | |
| 6 | 2 (50.80) | A9BAA-0602E-ND | 5.06 | 41.21 | 303.66 |
| | 3 (76.20) | A9BAA-0603E-ND | 5.21 | 42.41 | 312.48 |
| | 4 (101.60) | A9BAA-0604E-ND | 5.36 | 43.61 | 321.30 |
| | 5 (127.00) | A9BAA-0605E-ND | 5.50 | 44.80 | 330.12 |
| | 6 (152.40) | A9BAA-0606E-ND | 5.65 | 46.00 | 338.94 |
| 8 (203.20) | A9BAA-0608E-ND | 5.94 | 48.39 | 356.58 | |
| 7 | 2 (50.80) | A9BAA-0702E-ND | 3.81 | 31.04 | 228.69 |
| | 3 (76.20) | A9BAA-0703E-ND | 3.96 | 32.26 | 237.72 |
| | 4 (101.60) | A9BAA-0704E-ND | 4.11 | 33.49 | 246.75 |
| | 5 (127.00) | A9BAA-0705E-ND | 4.26 | 34.71 | 255.78 |
| | 6 (152.40) | A9BAA-0706E-ND | 4.41 | 35.94 | 264.81 |
| 8 (203.20) | A9BAA-0708E-ND | 4.71 | 38.39 | 282.87 | |
| 8 | 2 (50.80) | A9BAA-0802E-ND | 4.35 | 35.40 | 260.82 |
| | 3 (76.20) | A9BAA-0803E-ND | 4.50 | 36.65 | 270.06 |
| | 4 (101.60) | A9BAA-0804E-ND | 4.66 | 37.91 | 279.30 |
| | 5 (127.00) | A9BAA-0805E-ND | 4.81 | 39.16 | 288.54 |
| | 6 (152.40) | A9BAA-0806E-ND | 4.96 | 40.41 | 297.78 |
| 8 (203.20) | A9BAA-0808E-ND | 5.27 | 42.92 | 316.26 | |
| 10 | 2 (50.80) | A9BAA-1002E-ND | 4.92 | 40.10 | 295.47 |
| | 3 (76.20) | A9BAA-1003E-ND | 5.09 | 41.41 | 305.13 |
| | 4 (101.60) | A9BAA-1004E-ND | 5.25 | 42.72 | 314.79 |
| | 5 (127.00) | A9BAA-1005E-ND | 5.41 | 44.03 | 324.45 |
| | 6 (152.40) | A9BAA-1006E-ND | 5.57 | 45.34 | 334.11 |
| 8 (203.20) | A9BAA-1008E-ND | 5.89 | 47.97 | 353.43 | |
| 17 | 2 (50.80) | A9BAA-1702E-ND | 10.69 | 87.04 | 641.34 |
| | 3 (76.20) | A9BAA-1703E-ND | 10.90 | 88.72 | 653.73 |
| | 4 (101.60) | A9BAA-1704E-ND | 11.10 | 90.40 | 666.12 |
| | 5 (127.00) | A9BAA-1705E-ND | 11.31 | 92.08 | 678.51 |
| | 6 (152.40) | A9BAA-1706E-ND | 11.52 | 93.77 | 690.90 |
| 8 (203.20) | A9BAA-1708E-ND | 11.93 | 97.13 | 715.68 | |
| 20 | 2 (50.80) | A9BAA-2002E-ND | 8.84 | 71.96 | 530.25 |
| | 3 (76.20) | A9BAA-2003E-ND | 9.08 | 73.90 | 544.53 |
| | 4 (101.60) | A9BAA-2004E-ND | 9.31 | 75.84 | 558.81 |
| | 5 (127.00) | A9BAA-2005E-ND | 9.55 | 77.78 | 573.09 |
| | 6 (152.40) | A9BAA-2006E-ND | 9.79 | 79.71 | 587.37 |
| 8 (203.20) | A9BAA-2008E-ND | 10.27 | 83.59 | 615.93 | |
| 25 | 2 (50.80) | A9BAA-2502E-ND | 10.97 | 89.29 | 657.93 |
| | 3 (76.20) | A9BAA-2503E-ND | 11.27 | 91.74 | 675.99 |
| | 4 (101.60) | A9BAA-2504E-ND | 11.57 | 94.19 | 694.05 |
| | 5 (127.00) | A9BAA-2505E-ND | 11.87 | 96.64 | 712.11 |
| | 6 (152.40) | A9BAA-2506E-ND | 12.17 | 99.09 | 730.17 |
| 8 (203.20) | A9BAA-2508E-ND | 12.77 | 104.00 | 766.29 | |

Receptacle Housing with Latch to Solder Tab



Housing Contacts — Material and Finish: Phosphor bronze; plated gold duplex or bright tin-lead overall. Duplex plated 30µ gold on mating area.

| No. of Contacts | Length In. (mm) | Digi-Key Part No. | Pricing | | |
|-----------------|-----------------|-------------------|---------|--------|--------|
| | | | 1 | 10 | 100 |
| 4 | 2 (50.80) | A9CAA-0402E-ND | 2.38 | 19.35 | 142.59 |
| | 3 (76.20) | A9CAA-0403E-ND | 2.52 | 20.49 | 150.99 |
| | 4 (101.60) | A9CAA-0404E-ND | 2.66 | 21.63 | 159.39 |
| | 5 (127.00) | A9CAA-0405E-ND | 2.80 | 22.77 | 167.79 |
| | 6 (152.40) | A9CAA-0406E-ND | 2.94 | 23.91 | 176.19 |
| 8 (203.20) | A9CAA-0408E-ND | 3.22 | 26.19 | 192.99 | |
| 5 | 2 (50.80) | A9CAA-0502E-ND | 2.64 | 21.46 | 158.13 |
| | 3 (76.20) | A9CAA-0503E-ND | 2.78 | 22.63 | 166.74 |
| | 4 (101.60) | A9CAA-0504E-ND | 2.92 | 23.80 | 175.35 |
| | 5 (127.00) | A9CAA-0505E-ND | 3.07 | 24.97 | 183.96 |
| | 6 (152.40) | A9CAA-0506E-ND | 3.21 | 26.13 | 192.57 |
| 8 (203.20) | A9CAA-0508E-ND | 3.50 | 28.47 | 209.79 | |
| 6 | 2 (50.80) | A9CAA-0602E-ND | 2.89 | 23.54 | 173.46 |
| | 3 (76.20) | A9CAA-0603E-ND | 3.04 | 24.74 | 182.28 |
| | 4 (101.60) | A9CAA-0604E-ND | 3.19 | 25.94 | 191.10 |
| | 5 (127.00) | A9CAA-0605E-ND | 3.33 | 27.13 | 199.92 |
| | 6 (152.40) | A9CAA-0606E-ND | 3.48 | 28.33 | 208.74 |
| 8 (203.20) | A9CAA-0608E-ND | 3.77 | 30.72 | 226.38 | |
| 8 | 2 (50.80) | A9CAA-0802E-ND | 3.41 | 27.73 | 204.33 |
| | 3 (76.20) | A9CAA-0803E-ND | 3.56 | 28.98 | 213.57 |
| | 4 (101.60) | A9CAA-0804E-ND | 3.71 | 30.24 | 222.81 |
| | 5 (127.00) | A9CAA-0805E-ND | 3.87 | 31.49 | 232.05 |
| | 6 (152.40) | A9CAA-0806E-ND | 4.02 | 32.75 | 241.29 |
| 8 (203.20) | A9CAA-0808E-ND | 4.33 | 35.25 | 259.77 | |

| No. of Contacts | Length In. (mm) | Digi-Key Part No. | Pricing | | |
|-----------------|-----------------|-------------------|---------|--------|--------|
| | | | 1 | 10 | 100 |
| 10 | 2 (50.80) | A9CAA-1002E-ND | 3.93 | 32.01 | 235.83 |
| | 3 (76.20) | A9CAA-1003E-ND | 4.09 | 33.32 | 245.49 |
| | 4 (101.60) | A9CAA-1004E-ND | 4.25 | 34.63 | 255.15 |
| | 5 (127.00) | A9CAA-1005E-ND | 4.41 | 35.94 | 264.81 |
| | 6 (152.40) | A9CAA-1006E-ND | 4.57 | 37.25 | 274.47 |
| 8 (203.20) | A9CAA-1008E-ND | 4.90 | 39.87 | 293.79 | |
| 12 | 2 (50.8 | | | | |