

## Overall Foil/Braid Shield

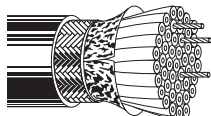
Computer Cables for EIA RS-232 Applications and IEEE 488 Interface,  
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Cond. | Color<br>Code | Standard Lengths |   | Standard<br>Unit Weight |    | Nominal OD |    | Nominal DCR |        | Nom.<br>Vel.<br>of<br>Prop. | Nominal Capacitance |               |                  |                |
|-------------|----------|------------------------------|-----------------|---------------|------------------|---|-------------------------|----|------------|----|-------------|--------|-----------------------------|---------------------|---------------|------------------|----------------|
|             |          |                              |                 |               | Ft.              | m | Lbs.                    | kg | Inch       | mm | Cond.       | Shield |                             | *<br>pF/<br>Ft.     | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |

**28 AWG** Stranded (7x36) Tinned Copper Conductors • Overall Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (65% Coverage)

### Semi-rigid PVC Insulation • Chrome PVC Jacket

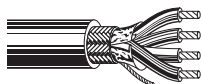
|                                  |             |             |    |   |      |       |      |      |      |      |           |          |     |    |    |    |     |
|----------------------------------|-------------|-------------|----|---|------|-------|------|------|------|------|-----------|----------|-----|----|----|----|-----|
| UL AWM Style 2464<br>(300V 80°C) | <b>9637</b> | NEC:<br>CL2 | 25 | See<br>Chart 2R<br>(Tech Info<br>Section) | 100  | 30.5  | 6.2  | 2.8  | .305 | 7.75 | 64.9Ω/M'  | 4.5Ω/M'  | 66% | 30 | 98 | 50 | 164 |
| CSA AWM I B FT4                  |             |             |    |   | 500  | 152.4 | 30.0 | 13.6 |      |      | 212.9Ω/km | 14.8Ω/km |     |    |    |    |     |
|                                  |             |             |    |   | 1000 | 304.8 | 59.0 | 26.8 |      |      |           |          |     |    |    |    |     |



**Low Cap 28 AWG** Stranded (7x36) TC Conductors • Overall Beldfoil (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire†

### Datalene® Insulation • Chrome PVC Jacket

|                                 |             |             |   |  |      |       |      |      |      |      |           |          |     |    |      |    |      |
|---------------------------------|-------------|-------------|---|--|------|-------|------|------|------|------|-----------|----------|-----|----|------|----|------|
| UL AWM Style 2919<br>(30V 80°C) | <b>9791</b> | NEC:<br>CL2 | 6 | See<br>Chart 1<br>(Tech Info<br>Section) | 500  | 152.4 | 13.0 | 6.0  | .225 | 5.72 | 64.9Ω/M'  | 6.15Ω/M' | 78% | 12 | 39.4 | 22 | 72.2 |
| VW-1                            |             |             |   |  | 1000 | 304.8 | 29.0 | 13.2 |      |      | 212.9Ω/km | 20.2Ω/km |     |    |      |    |      |

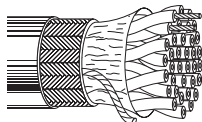


†28 AWG Stranded TC Drain Wire

**IEEE 488 • 26 AWG & 24 AWG** Stranded (7x34 & 7x32) TC Cond. • Overall Beldfoil (100% Coverage) + TC Braid Shield (90% Coverage) • Drain Wire

### Semi-rigid PVC Insulation • Gray PVC Jacket

|                                  |             |                 |  |  |      |       |      |      |      |      |                     |          |     |   |   |   |   |
|----------------------------------|-------------|-----------------|--|--|------|-------|------|------|------|------|---------------------|----------|-----|---|---|---|---|
| UL AWM Style 2464<br>(300V 80°C) | <b>9641</b> | NEC:<br>CMG     | 23:<br>(6)   | See<br>Chart 1<br>(Tech Info<br>Section) | 1000 | 304.8 | 82.0 | 37.4 | .350 | 8.89 | 26 AWG:<br>37.3Ω/M' | 2.6Ω/M'  | 66% | — | — | — | — |
| CSA AWM I A                      |             | CEC:<br>CMG FT4 | 26 AWG<br>Pairs<br>(10)<br>26 AWG<br>Cond.<br>(1)<br>24 AWG<br>Cond. |  |      |       |      |      |      |      | 122.4Ω/km           | 8.5Ω/km  |     |   |   |   |   |
|                                  |             |                 |  |  |      |       |      |      |      |      | 24 AWG:<br>23.3Ω/M' | 76.4Ω/km |     |   |   |   |   |



TC = Tinned Copper

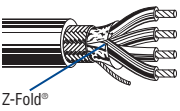
\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to ground.

Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

**Overall Foil/Braid Shield**

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

| Description   | Part No. | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Cond. | Color<br>Code                             | Standard Lengths |        | Standard<br>Unit Weight |       | Nominal OD |       | Nominal DCR |          | Nom.<br>Vel.<br>of<br>Prop. | Nominal Capacitance |               |                  |                |
|---|----------|------------------------------|-----------------|---|------------------|--------|-------------------------|-------|------------|-------|-------------|----------|-----------------------------|---------------------|---------------|------------------|----------------|
|   |          |                              |                 |   | Ft.              | m      | Lbs.                    | kg    | Inch       | mm    | Cond.       | Shield   |                             | *<br>pF/<br>Ft.     | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |
| <b>24 AWG Stranded (7x32) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire††</b> |          |                              |                 |   |                  |        |                         |       |            |       |             |          |                             |                     |               |                  |                |
| <b>Datalene® Insulation • Chrome PVC Jacket</b>   |          |                              |                 |   |                  |        |                         |       |            |       |             |          |                             |                     |               |                  |                |
| UL AWM Style 2919<br>(30V 80°C)<br>             | 9925     | NEC:                         | 3               | See<br>Chart 1<br>(Tech Info<br>Section)  | 100              | 30.5   | 3.5                     | 1.6   | .215       | 5.46  | 24.0Ω/M'    | 5.2Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |   | 500              | 152.4  | 12.0                    | 5.5   |            |       | 78.7Ω/km    | 17.0Ω/km |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |   | 1000             | 304.8  | 24.0                    | 10.9  |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |   |                  |        |                         |       |            |       |             |          |                             |                     |               |                  |                |
|   | 9927     | NEC:                         | 4               | See<br>Chart 1<br>(Tech Info<br>Section)  | 100              | 30.5   | 3.6                     | 1.6   | .230       | 5.84  | 24.0Ω/M'    | 5.3Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |   | 500              | 152.4  | 14.5                    | 6.6   |            |       | 78.7Ω/km    | 17.4Ω/km |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |   | 1000             | 304.8  | 32.0                    | 14.5  |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |   |                  |        |                         |       |            |       |             |          |                             |                     |               |                  |                |
|   | 9929     | NEC:                         | 5               | See<br>Chart 1<br>(Tech Info<br>Section)  | 100              | 30.5   | 4.0                     | 1.8   | .246       | 6.25  | 24.0Ω/M'    | 4.2Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |   | 500              | 152.4  | 16.0                    | 7.3   |            |       | 78.7Ω/km    | 13.9Ω/km |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |   | 1000             | 304.8  | 36.0                    | 16.3  |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |   |                  |        |                         |       |            |       |             |          |                             |                     |               |                  |                |
|   | 9931     | NEC:                         | 6               | See<br>Chart 1<br>(Tech Info<br>Section)  | 100              | 30.5   | 4.2                     | 1.9   | .265       | 6.73  | 24.0Ω/M'    | 4.4Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |   | 500              | 152.4  | 17.5                    | 8.0   |            |       | 78.7Ω/km    | 14.4Ω/km |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |   | 1000             | 304.8  | 39.0                    | 17.7  |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |   | 10000            | 3048.0 | 410.0                   | 186.1 |            |       |             |          |                             |                     |               |                  |                |
|   | 9932     | NEC:                         | 7               | See<br>Chart 1<br>(Tech Info<br>Section)  | 100              | 30.5   | 4.5                     | 2.0   | .265       | 6.73  | 24.0Ω/M'    | 4.4Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |   | 500              | 152.4  | 18.5                    | 8.4   |            |       | 78.7Ω/km    | 14.4Ω/km |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |   | 1000             | 304.8  | 41.0                    | 18.6  |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |   |                  |        |                         |       |            |       |             |          |                             |                     |               |                  |                |
|   | 9933     | NEC:                         | 8               | See<br>Chart 1<br>(Tech Info<br>Section)  | 100              | 30.5   | 4.9                     | 2.2   | .280       | 7.11  | 24.0Ω/M'    | 4.4Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |   | 500              | 152.4  | 21.0                    | 9.6   |            |       | 78.7Ω/km    | 14.4Ω/km |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |   | 1000             | 304.8  | 46.0                    | 20.9  |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |   | 10000†           | 3048.0 | 480.0                   | 217.9 |            |       |             |          |                             |                     |               |                  |                |
|   | 9934     | NEC:                         | 9               | See<br>Chart 1<br>(Tech Info<br>Section)  | 100              | 30.5   | 5.2                     | 2.4   | .300       | 7.62  | 24.0Ω/M'    | 3.9Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |   | 500              | 152.4  | 22.0                    | 10.0  |            |       | 78.7Ω/km    | 12.6Ω/km |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |   | 1000             | 304.8  | 48.0                    | 21.8  |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |   |                  |        |                         |       |            |       |             |          |                             |                     |               |                  |                |
|   | 9935     | NEC:                         | 10              | See<br>Chart 1<br>(Tech Info<br>Section)  | 100              | 30.5   | 5.7                     | 2.6   | .306       | 7.77  | 24.0Ω/M'    | 3.2Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |   | 500              | 152.4  | 28.0                    | 12.7  |            |       | 78.7Ω/km    | 10.4Ω/km |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |   | 1000             | 304.8  | 53.0                    | 24.1  |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |   |                  |        |                         |       |            |       |             |          |                             |                     |               |                  |                |
|   | 9936     | NEC:                         | 15              | See<br>Chart 2R<br>(Tech Info<br>Section) | 100              | 30.5   | 7.2                     | 3.3   | .350       | 8.89  | 24.0Ω/M'    | 3.6Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |   | 500              | 152.4  | 35.0                    | 15.9  |            |       | 78.7Ω/km    | 11.7Ω/km |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |   | 1000             | 304.8  | 68.0                    | 30.9  |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |   |                  |        |                         |       |            |       |             |          |                             |                     |               |                  |                |
|   | 9937     | NEC:                         | 25              | See<br>Chart 2R<br>(Tech Info<br>Section) | 100              | 30.5   | 9.9                     | 4.5   | .445       | 11.30 | 24.0Ω/M'    | 2.8Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |   | 500              | 152.4  | 54.5                    | 24.8  |            |       | 78.7Ω/km    | 9.1Ω/km  |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |   | 1000             | 304.8  | 108.0                   | 49.0  |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |   |                  |        |                         |       |            |       |             |          |                             |                     |               |                  |                |
|   | 9938     | NEC:                         | 37              | See<br>Chart 2R<br>(Tech Info<br>Section) | 100              | 30.5   | 12.9                    | 5.9   | .500       | 12.7  | 24.0Ω/M'    | 2.4Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |   | 500              | 152.4  | 71.5                    | 32.5  |            |       | 78.7Ω/km    | 7.8Ω/km  |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |   | 1000             | 304.8  | 139.0                   | 63.1  |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |   |                  |        |                         |       |            |       |             |          |                             |                     |               |                  |                |

†24 AWG Stranded TC Drain Wire

DCR = DC Resistance • TC = Tinned Copper

\*Capacitance between conductors.

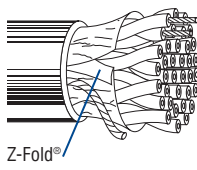
\*\*Nominal capacitance conductor to conductor and shield.

††Final put-up may vary -10% to +20%. May contain two pieces, minimum length of any one piece is 1500 ft.

Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

# Overall Beldfoil® Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-485 Applications

| Description   | Part No.                        | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Pairs | Color<br>Code                    | Standard<br>Lengths                      |             | Standard<br>Unit Weight |              | Nom. DCR     |                       | Nominal<br>OD        |               | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel.<br>of<br>Prop. | Nom. Capacitance |               |                  |                |
|---|---------------------------------|------------------------------|-----------------|----------------------------------|--|-------------|-------------------------|--------------|--------------|-----------------------|----------------------|---------------|---------------------|-----------------------------|------------------|---------------|------------------|----------------|
|   |                                 |                              |                 |                                  | Ft.                                      | m           | Lbs.                    | kg           | Cond.        | Shield                | Inch                 | mm            |                     |                             | *<br>pF/<br>Ft.  | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |
| <b>28 AWG Stranded (7x36) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 28 AWG Stranded TC Drain Wire</b> |                                 |                              |                 |                                  |  |             |                         |              |              |                       |                      |               |                     |                             |                  |               |                  |                |
| <b>Datalene® Insulation • Chrome PVC Jacket</b>   |                                 |                              |                 |                                  |  |             |                         |              |              |                       |                      |               |                     |                             |                  |               |                  |                |
|  <p>Z-Fold®</p>                                       | UL AWM Style 2919<br>(30V 80°C) | <b>8132FO</b>                | NEC:<br>CL2     | 2                                | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000 | 152.4<br>304.8          | 8.5<br>20.0  | 3.9<br>9.1   | 65.0Ω/M'<br>213.0Ω/km | 23.1Ω/M'<br>75.8Ω/km | .215<br>5.46  | 120                 | 78%                         | 11.0             | 36.1          | 20.0             | 65.6           |
|   |                                 | <b>8133FO</b>                | NEC:<br>CL2     | 3                                | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000 | 152.4<br>304.8          | 11.0<br>20.0 | 5.0<br>9.1   | 65.0Ω/M'<br>213.0Ω/km | 23.1Ω/M'<br>75.8Ω/km | .250<br>6.35  | 120                 | 78%                         | 11.0             | 36.1          | 20.0             | 65.6           |
|   |                                 | <b>8134FO</b>                | NEC:<br>CL2     | 4                                | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000 | 152.4<br>304.8          | 13.5<br>31.0 | 6.1<br>14.1  | 65.0Ω/M'<br>213.0Ω/km | 20.0Ω/M'<br>65.6Ω/km | .270<br>6.86  | 120                 | 78%                         | 11.0             | 36.1          | 20.0             | 65.6           |
|   |                                 | <b>8135FO</b>                | NEC:<br>CL2     | 5                                | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000 | 152.4<br>304.8          | 14.0<br>32.0 | 6.4<br>14.5  | 65.0Ω/M'<br>213.0Ω/km | 20.0Ω/M'<br>65.6Ω/km | .280<br>7.11  | 120                 | 78%                         | 11.0             | 36.1          | 20.0             | 65.6           |
|   |                                 | <b>8138FO</b>                | NEC:<br>CL2     | 8                                | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000 | 152.4<br>304.8          | 22.0<br>42.0 | 10.0<br>19.1 | 65.0Ω/M'<br>213.0Ω/km | 17.7Ω/M'<br>58.1Ω/km | .310<br>7.88  | 120                 | 78%                         | 11.0             | 36.1          | 20.0             | 65.6           |
|   |                                 | <b>8142FO</b>                | NEC:<br>CL2     | 12.5<br>(12 pairs +<br>1 single) | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000 | 152.4<br>304.8          | 27.5<br>54.0 | 12.5<br>24.5 | 65.0Ω/M'<br>213.0Ω/km | 17.7Ω/M'<br>58.1Ω/km | .385<br>9.78  | 120                 | 78%                         | 11.0             | 36.1          | 20.0             | 65.6           |
|   |                                 | <b>8148FO</b>                | NEC:<br>CL2     | 18                               | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000 | 152.4<br>304.8          | 38.5<br>77.0 | 17.5<br>35.0 | 65.0Ω/M'<br>213.0Ω/km | 15.8Ω/M'<br>51.8Ω/km | .445<br>11.31 | 120                 | 78%                         | 11.0             | 36.1          | 20.0             | 65.6           |
|   |                                 | <b>8155FO</b>                | NEC:<br>CL2     | 25                               | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000 | 152.4<br>304.8          | 42.0<br>84.0 | 19.1<br>38.2 | 65.0Ω/M'<br>213.0Ω/km | 14.3Ω/M'<br>47.7Ω/km | .545<br>13.85 | 120                 | 78%                         | 11.0             | 36.1          | 20.0             | 65.6           |

DCR = DC Resistance • TC = Tinned Copper

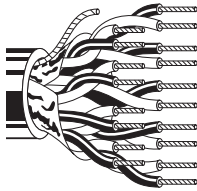
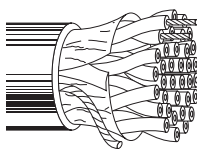
\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

# Overall Beldfoil® Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

| Description   | Part No.                 | UL NEC/<br>C(UL) CEC<br>Type  | No. of<br>Pairs                          | Color<br>Code                            | Standard<br>Lengths  |                          | Standard<br>Unit Weight |                       | Nom. DCR             |                      | Nominal<br>OD |     | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel.<br>of<br>Prop. | Nom. Capacitance |               |                  |                |
|---|--------------------------|-------------------------------|--|--|----------------------|--------------------------|-------------------------|-----------------------|----------------------|----------------------|---------------|-----|---------------------|-----------------------------|------------------|---------------|------------------|----------------|
|   |                          |                               |  |  | Ft.                  | m                        | Lbs.                    | kg                    | Cond.                | Shield               | Inch          | mm  |                     |                             | *<br>pF/<br>Ft.  | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |
| <b>24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire</b> |                          |                               |  |  |                      |                          |                         |                       |                      |                      |               |     |                     |                             |                  |               |                  |                |
| <b>Polyethylene Insulation • Chrome PVC Jacket</b>  |                          |                               |  |  |                      |                          |                         |                       |                      |                      |               |     |                     |                             |                  |               |                  |                |
|  <p>UL AWM Style 2919<br/>(30V 80°C)</p>             | <b>9680</b>              | NEC:<br>CM<br>CEC:<br>CM      | 3  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000          | 152.4<br>304.8           | 17.0<br>38.0            | 7.7<br>17.3           | 24.0Ω/M'<br>78.7Ω/km | 14.4Ω/M'<br>47.2Ω/km | .282 7.16     | 100 | 66%                 | 15.5                        | 50.8             | 27.5          | 90.2             |                |
|   | <b>9681</b>              | NEC:<br>CM<br>CEC:<br>CM      | 4  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000          | 152.4<br>304.8           | 24.0<br>45.0            | 10.9<br>20.5          | 24.0Ω/M'<br>78.7Ω/km | 14.4Ω/M'<br>47.2Ω/km | .307 7.80     | 100 | 66%                 | 15.5                        | 50.8             | 27.5          | 90.2             |                |
|   | <b>9682</b>              | NEC:<br>CM<br>CEC:<br>CM      | 6  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000          | 152.4<br>304.8           | 29.5<br>56.0            | 13.4<br>25.5          | 24.0Ω/M'<br>78.7Ω/km | 13.1Ω/M'<br>43.0Ω/km | .342 8.69     | 100 | 66%                 | 15.5                        | 50.8             | 27.5          | 90.2             |                |
|   | <b>9683</b>              | NEC:<br>CM<br>CEC:<br>CM      | 9  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000          | 152.4<br>304.8           | 38.0<br>79.0            | 17.2<br>35.9          | 24.0Ω/M'<br>78.7Ω/km | 12.0Ω/M'<br>39.4Ω/km | .397 10.10    | 100 | 66%                 | 15.5                        | 50.8             | 27.5          | 90.2             |                |
|   | <b>9684</b>              | NEC:<br>CM<br>CEC:<br>CM      | 12.5<br>(12 prs.+<br>1 single)           | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000          | 152.4<br>304.8           | 49.5<br>97.0            | 22.6<br>44.1          | 24.0Ω/M'<br>78.7Ω/km | 12.0Ω/M'<br>39.4Ω/km | .445 11.30    | 100 | 66%                 | 15.5                        | 50.8             | 27.5          | 90.2             |                |
| <b>Datalene® Insulation • Chrome PVC Jacket</b>   |                          |                               |  |  |                      |                          |                         |                       |                      |                      |               |     |                     |                             |                  |               |                  |                |
|  <p>UL AWM Style 2919<br/>(30V 80°C)</p>           | <b>1419A</b>             | NEC:<br>CM<br>CEC:<br>CM FT1  | 2  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000<br>10000 | 152.4<br>304.8<br>3048.0 | 13.5<br>30.0<br>310.0   | 6.1<br>13.6<br>140.9  | 24.0Ω/M'<br>78.7Ω/km | 15.1Ω/M'<br>49.5Ω/km | .248 6.30     | 100 | 78%                 | 13                          | 42.7             | 22            | 72               |                |
|   | <b>1420A</b>             | NEC:<br>CM<br>CEC:<br>CM FT 1 | 3  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000<br>10000 | 152.4<br>304.8<br>3048.0 | 15.0<br>34.0<br>340.0   | 6.8<br>15.5<br>154.5  | 24.0Ω/M'<br>78.7Ω/km | 15.1Ω/M'<br>49.5Ω/km | .261 6.63     | 100 | 78%                 | 13                          | 42.7             | 22            | 72               |                |
|   | <b>1421A</b>             | NEC:<br>CM<br>CEC:<br>CM      | 4  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000          | 152.4<br>304.8           | 16.5<br>37.0            | 7.5<br>16.8           | 24.0Ω/M'<br>78.7Ω/km | 14.4Ω/M'<br>47.2Ω/km | .280 7.11     | 100 | 78%                 | 13                          | 42.7             | 22            | 72               |                |
|   | <b>1422A</b>             | NEC:<br>CM<br>CEC:<br>CM      | 5  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000          | 152.4<br>304.8           | 23.0<br>43.0            | 10.5<br>19.5          | 24.0Ω/M'<br>78.7Ω/km | 14.4Ω/M'<br>47.2Ω/km | .294 7.47     | 100 | 78%                 | 13                          | 42.7             | 22            | 72               |                |
|   | <b>1423A</b>             | NEC:<br>CM<br>CEC:<br>CM      | 6  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000<br>10000 | 152.4<br>304.8<br>3048.0 | 25.0<br>48.0<br>500.0   | 11.4<br>21.8<br>227.3 | 24.0Ω/M'<br>78.7Ω/km | 13.0Ω/M'<br>42.7Ω/km | .319 8.10     | 100 | 78%                 | 13                          | 42.7             | 22            | 72               |                |
|   | <b>1424A</b>             | NEC:<br>CM<br>CEC:<br>CM      | 12.5<br>(12 prs.+<br>1 single)           | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000          | 152.4<br>304.8           | 43.0<br>85.0            | 19.5<br>38.6          | 24.0Ω/M'<br>78.7Ω/km | 13.0Ω/M'<br>42.7Ω/km | .418 10.62    | 100 | 78%                 | 13                          | 42.7             | 22            | 72               |                |
| <b>1425A</b>  | NEC:<br>CM<br>CEC:<br>CM | 15                            | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000                              | 152.4<br>304.8       | 53.0<br>99.0             | 24.1<br>45.0            | 24.0Ω/M'<br>78.7Ω/km  | 11.2Ω/M'<br>36.7Ω/km | .473 12.01           | 100           | 78% | 13                  | 42.7                        | 22               | 72            |                  |                |

DCR = DC Resistance • TC = Tinned Copper

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

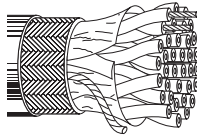


For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

# Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

| Description  | Part No.                        | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Pairs | Color<br>Code                            | Standard<br>Lengths                      |                        | Standard<br>Unit Weight |                      | Nom. DCR              |                       | Nominal<br>OD       |               | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel.<br>of<br>Prop. | Nom. Capacitance |               |                  |                |
|--|---------------------------------|------------------------------|-----------------|--|--|------------------------|-------------------------|----------------------|-----------------------|-----------------------|---------------------|---------------|---------------------|-----------------------------|------------------|---------------|------------------|----------------|
|  |                                 |                              |                 |  | Ft.                                      | m                      | Lbs.                    | kg                   | Cond.                 | Shield                | Inch                | mm            |                     |                             | *<br>pF/<br>Ft.  | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |
| <b>28 AWG Stranded (7x36) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (90% Coverage) • 28 AWG Stranded TC Drain Wire</b> |                                 |                              |                 |  |  |                        |                         |                      |                       |                       |                     |               |                     |                             |                  |               |                  |                |
| <b>Polypropylene Insulation • Chrome PVC Jacket</b>  |                                 |                              |                 |  |  |                        |                         |                      |                       |                       |                     |               |                     |                             |                  |               |                  |                |
|    | UL AWM Style 2960<br>(30V 60°C) | <b>9804</b>                  | NEC:<br>CL2     | 2  | See<br>Chart 3<br>(Tech Info<br>Section) | 100<br>500<br>1000     | 30.5<br>152.4<br>304.8  | 3.9<br>14.5<br>32.0  | 1.8<br>6.6<br>14.5    | 64.9Ω/M'<br>212.9Ω/km | 4.9Ω/M'<br>16.1Ω/km | .214<br>5.44  | 100                 | 66%                         | 15.5             | 50.9          | 27.5             | 90.2           |
|  |                                 | <b>9805</b>                  | NEC:<br>CL2     | 3  | See<br>Chart 3<br>(Tech Info<br>Section) | 100<br>500<br>1000     | 30.5<br>152.4<br>304.8  | 4.2<br>15.5<br>35.0  | 1.9<br>7.0<br>15.9    | 64.9Ω/M'<br>212.9Ω/km | 4.2Ω/M'<br>13.8Ω/km | .222<br>5.64  | 100                 | 66%                         | 15.5             | 50.9          | 27.5             | 90.2           |
|  |                                 | <b>9806</b>                  | NEC:<br>CL2     | 4  | See<br>Chart 3<br>(Tech Info<br>Section) | 100<br>500<br>1000     | 30.5<br>152.4<br>304.8  | 4.3<br>17.5<br>39.0  | 2.0<br>7.9<br>17.7    | 64.9Ω/M'<br>212.9Ω/km | 4.0Ω/M'<br>13.1Ω/km | .237<br>6.02  | 100                 | 66%                         | 15.5             | 50.9          | 27.5             | 90.2           |
|  |                                 | <b>9807</b>                  | NEC:<br>CL2     | 5  | See<br>Chart 3<br>(Tech Info<br>Section) | 100<br>500<br>1000     | 30.5<br>152.4<br>304.8  | 4.3<br>18.0<br>39.0  | 2.0<br>8.2<br>17.7    | 64.9Ω/M'<br>212.9Ω/km | 4.2Ω/M'<br>13.8Ω/km | .240<br>6.10  | 100                 | 66%                         | 15.5             | 50.9          | 27.5             | 90.2           |
|  |                                 | <b>9808</b>                  | NEC:<br>CL2     | 7  | See<br>Chart 3<br>(Tech Info<br>Section) | 100<br>500<br>1000     | 30.5<br>152.4<br>304.8  | 4.9<br>20.5<br>44.0  | 2.2<br>9.3<br>20.0    | 64.9Ω/M'<br>212.9Ω/km | 3.7Ω/M'<br>12.1Ω/km | .256<br>6.50  | 100                 | 66%                         | 15.5             | 50.9          | 27.5             | 90.2           |
|  |                                 | <b>9809</b>                  | NEC:<br>CL2     | 9  | See<br>Chart 3<br>(Tech Info<br>Section) | 100<br>500<br>1000     | 30.5<br>152.4<br>304.8  | 5.7<br>25.0<br>53.0  | 2.6<br>11.3<br>24.1   | 64.9Ω/M'<br>212.9Ω/km | 3.1Ω/M'<br>10.2Ω/km | .290<br>7.37  | 100                 | 66%                         | 15.5             | 50.9          | 27.5             | 90.2           |
|  |                                 | <b>9812</b>                  | NEC:<br>CL2     | 12                                       | See<br>Chart 3<br>(Tech Info<br>Section) | 100<br>500<br>1000     | 30.5<br>152.4<br>304.8  | 6.7<br>31.0<br>62.0  | 3.0<br>14.1<br>28.2   | 64.9Ω/M'<br>212.9Ω/km | 2.8Ω/M'<br>9.2Ω/km  | .319<br>8.10  | 100                 | 66%                         | 15.5             | 50.9          | 27.5             | 90.2           |
|  |                                 | <b>9813</b>                  | NEC:<br>CL2     | 13                                       | See<br>Chart 3<br>(Tech Info<br>Section) | 100<br>500<br>1000     | 30.5<br>152.4<br>304.8  | 7.0<br>34.0<br>66.0  | 3.2<br>15.5<br>30.0   | 64.9Ω/M'<br>212.9Ω/km | 2.2Ω/M'<br>7.2Ω/km  | .336<br>8.53  | 100                 | 66%                         | 15.5             | 50.9          | 27.5             | 90.2           |
|  |                                 | <b>9819</b>                  | NEC:<br>CL2     | 18                                       | See<br>Chart 3<br>(Tech Info<br>Section) | 100<br>500<br>1000     | 30.5<br>152.4<br>304.8  | 8.3<br>41.0<br>82.0  | 3.8<br>18.6<br>37.3   | 64.9Ω/M'<br>212.9Ω/km | 2.0Ω/M'<br>6.7Ω/km  | .365<br>9.27  | 100                 | 66%                         | 15.5             | 50.9          | 27.5             | 90.2           |
|  |                                 | <b>9825</b>                  | NEC:<br>CL2     | 25                                       | See<br>Chart 3<br>(Tech Info<br>Section) | 100<br>500<br>1000     | 30.5<br>152.4<br>304.8  | 9.9<br>54.5<br>108.0 | 4.5<br>24.8<br>49.1   | 64.9Ω/M'<br>212.9Ω/km | 1.9Ω/M'<br>6.2Ω/km  | .429<br>10.90 | 100                 | 66%                         | 15.5             | 50.9          | 27.5             | 90.2           |
|  | <b>9814</b>                     | NEC:<br>CL2                  | 31              | See<br>Chart 3<br>(Tech Info<br>Section) | 100<br>500<br>1000                       | 30.5<br>152.4<br>304.8 | 11.8<br>64.0<br>127.0   | 5.4<br>29.1<br>57.7  | 64.9Ω/M'<br>212.9Ω/km | 2.1Ω/M'<br>6.9Ω/km    | .462<br>11.73       | 100           | 66%                 | 15.5                        | 50.9             | 27.5          | 90.2             |                |

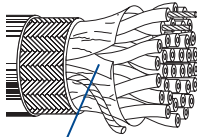
DCR = DC Resistance • TC = Tinned Copper

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

## Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-485 Applications

| Description  | Part No.                        | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Pairs                  | Color<br>Code                            | Standard<br>Lengths                      |                        | Standard<br>Unit Weight |                     | Nom. DCR              |                       | Nominal<br>OD       |              | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel.<br>of<br>Prop. | Nom. Capacitance |               |                  |                |
|--|---------------------------------|------------------------------|----------------------------------|--|--|------------------------|-------------------------|---------------------|-----------------------|-----------------------|---------------------|--------------|---------------------|-----------------------------|------------------|---------------|------------------|----------------|
|  |                                 |                              |                                  |  | Ft.                                      | m                      | Lbs.                    | kg                  | Cond.                 | Shield                | Inch                | mm           |                     |                             | *<br>pF/<br>Ft.  | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |
| <b>28 AWG Stranded (7x36) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • 28 AWG Stranded TC Drain Wire</b> |                                 |                              |                                  |  |  |                        |                         |                     |                       |                       |                     |              |                     |                             |                  |               |                  |                |
| <b>Datalene® Insulation • Chrome PVC Jacket</b>  |                                 |                              |                                  |  |  |                        |                         |                     |                       |                       |                     |              |                     |                             |                  |               |                  |                |
|  <p>Shorting Fold</p>   | UL AWM Style 2919<br>(30V 80°C) | <b>8132</b>                  | NEC:<br>CL2                      | 2  | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000     | 30.5<br>152.4<br>304.8  | 3.6<br>14.5<br>29.0 | 1.6<br>6.6<br>13.2    | 65.0Ω/M'<br>213.0Ω/km | 5.1Ω/M'<br>16.6Ω/km | .220<br>5.59 | 120                 | 78%                         | 11.0             | 36.1          | 20.0             | 65.6           |
|  | <b>8133</b>                     | NEC:<br>CL2                  | 3                                | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000                       | 30.5<br>152.4<br>304.8 | 3.8<br>15.0<br>34.0     | 1.7<br>6.8<br>15.5  | 65.0Ω/M'<br>213.0Ω/km | 5.2Ω/M'<br>17.1Ω/km   | .270<br>6.86        | 120          | 78%                 | 11.0                        | 36.1             | 20.0          | 65.6             |                |
|  | <b>8134</b>                     | NEC:<br>CL2                  | 4                                | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000                       | 30.5<br>152.4<br>304.8 | 4.3<br>18.0<br>39.0     | 2.0<br>8.2<br>17.7  | 65.0Ω/M'<br>213.0Ω/km | 4.4Ω/M'<br>14.3Ω/km   | .290<br>7.37        | 120          | 78%                 | 11.0                        | 36.1             | 20.0          | 65.6             |                |
|  | <b>8135</b>                     | NEC:<br>CL2                  | 5                                | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000                       | 30.5<br>152.4<br>304.8 | 4.6<br>42.0<br>19.1     | 2.1<br>19.1<br>23.6 | 65.0Ω/M'<br>213.0Ω/km | 4.2Ω/M'<br>13.8Ω/km   | .300<br>7.62        | 120          | 78%                 | 11.0                        | 36.1             | 20.0          | 65.6             |                |
|  | <b>8138</b>                     | NEC:<br>CL2                  | 8                                | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000                       | 30.5<br>152.4<br>304.8 | 5.6<br>27.0<br>52.0     | 2.5<br>12.3<br>23.6 | 65.0Ω/M'<br>213.0Ω/km | 3.7Ω/M'<br>12.3Ω/km   | .330<br>8.38        | 120          | 78%                 | 11.0                        | 36.1             | 20.0          | 65.6             |                |
|  | <b>8142</b>                     | NEC:<br>CL2                  | 12.5<br>(12 pairs +<br>1 single) | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000                       | 30.5<br>152.4<br>304.8 | 6.8<br>33.0<br>66.0     | 3.1<br>15.0<br>29.9 | 65.0Ω/M'<br>213.0Ω/km | 3.1Ω/M'<br>10.1Ω/km   | .375<br>9.53        | 120          | 78%                 | 11.0                        | 36.1             | 20.0          | 65.6             |                |
|  | <b>8148</b>                     | NEC:<br>CL2                  | 18                               | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000                       | 30.5<br>152.4<br>304.8 | 8.5<br>47.5<br>92.0     | 3.9<br>21.6<br>41.8 | 65.0Ω/M'<br>213.0Ω/km | 2.6Ω/M'<br>8.4Ω/km    | .465<br>11.81       | 120          | 78%                 | 11.0                        | 36.1             | 20.0          | 65.6             |                |
|  | <b>8155</b>                     | NEC:<br>CL2                  | 25                               | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000                       | 30.5<br>152.4<br>304.8 | 11.1<br>64.0<br>121.0   | 5.0<br>29.1<br>55.0 | 65.0Ω/M'<br>213.0Ω/km | 2.3Ω/M'<br>7.6Ω/km    | .565<br>14.35       | 120          | 78%                 | 11.0                        | 36.1             | 20.0          | 65.6             |                |

DCR = DC Resistance • TC = Tinned Copper








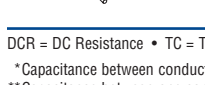

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

# Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-485 Applications  
Plenum-Rated and Non-Plenum

| Description  | Part No.                           | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Pairs | Color<br>Code          | Standard<br>Lengths |       | Standard<br>Unit Weight |      | Nom. DCR |          | Nominal<br>OD                                       |      | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel.<br>of<br>Prop. | Nom. Capacitance |               |                  |                |  |  |
|--|------------------------------------|------------------------------|-----------------|------------------------|---------------------|-------|-------------------------|------|----------|----------|---|------|---------------------|-----------------------------|------------------|---------------|------------------|----------------|--|--|
|  |                                    |                              |                 |                        | Ft.                 | m     | Lbs.                    | kg   | Cond.    | Shield   | Inch  | mm   |                     |                             | *<br>pF/<br>Ft.  | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |  |  |
| <b>24 AWG Stranded (7x32) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (90% Coverage) • 24 AWG Stranded TC Drain Wire</b> |                                    |                              |                 |                        |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
| <b>Polyethylene Insulation • Chrome PVC Jacket</b>   |                                    |                              |                 |                        |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
| UL AWM Style 2919<br>(30V 80°C)<br><b>DMX 512</b><br>            | <b>9841</b>                        | NEC:                         | 1               | See                    | 100                 | 30.5  | 4.3                     | 2.0  | 24.0Ω/M' | 3.4Ω/M'  | .232  | 5.89 | 120                 | 66%                         | 12.8             | 42.0          | 23.0             | 75.5           |  |  |
|  |                                    | CM                           |                 | Chart 5                | 500                 | 152.4 | 20.0                    | 9.1  | 78.7Ω/km | 11.0Ω/km | For Plenum versions of 9841,<br>see 82841 or 89841. |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CEC:                         |                 | (Tech Info<br>Section) | 1000                | 304.8 | 40.0                    | 18.2 |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CM                           |                 |                        |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
|    | <b>9842</b>                        | NEC:                         | 2               | See                    | 100                 | 30.5  | 5.8                     | 2.6  | 24.0Ω/M' | 2.2Ω/M'  | .340  | 8.64 | 120                 | 66%                         | 12.8             | 42.0          | 23.0             | 75.5           |  |  |
|  |                                    | CM                           |                 | Chart 5                | 500                 | 152.4 | 29.5                    | 13.4 | 78.7Ω/km | 7.2Ω/km  | For Plenum versions of 9842,<br>see 82842.          |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CEC:                         |                 | (Tech Info<br>Section) | 1000                | 304.8 | 57.0                    | 25.9 |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CM                           |                 |                        |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
|    | <b>9843</b>                        | NEC:                         | 3               | See                    | 100                 | 30.5  | 7.1                     | 3.2  | 24.0Ω/M' | 2.3Ω/M'  | .360  | 9.14 | 120                 | 66%                         | 12.8             | 42.0          | 23.0             | 75.5           |  |  |
|  |                                    | CM                           |                 | Chart 5                | 500                 | 152.4 | 34.5                    | 15.7 | 78.7Ω/km | 7.7Ω/km  |   |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CEC:                         |                 | (Tech Info<br>Section) | 1000                | 304.8 | 67.0                    | 30.5 |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CM                           |                 |                        |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
|    | <b>9844</b>                        | NEC:                         | 4               | See                    | 500                 | 152.4 | 43.0                    | 19.5 | 24.0Ω/M' | 2.1Ω/M'  | .390  | 9.91 | 120                 | 66%                         | 12.8             | 42.0          | 23.0             | 75.5           |  |  |
|  |                                    | CM                           |                 | Chart 5                | 1000                | 304.8 | 83.0                    | 37.7 | 78.7Ω/km | 6.9Ω/km  |   |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CEC:                         |                 | (Tech Info<br>Section) |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CM                           |                 |                        |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
| <b>Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket</b>   |                                    |                              |                 |                        |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
| 300V RMS<br>   | <b>82841</b>                       | NEC:                         | 1               | See                    | 500                 | 152.4 | 13.0                    | 6.0  | 24.0Ω/M' | 3.1Ω/M'  | .204  | 5.18 | 120                 | 76%                         | 12               | 39.4          | 22               | 72.2           |  |  |
|  |                                    | CMP                          |                 | Chart 5                | 1000                | 304.8 | 26.0                    | 11.8 | 78.7Ω/km | 10.2Ω/km |   |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CEC:                         |                 | (Tech Info<br>Section) |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
| 300V RMS<br>   | <b>82842</b>                       | NEC:                         | 2               | See                    | 500                 | 152.4 | 19.0                    | 8.6  | 24.0Ω/M' | 2.4Ω/M'  | .273  | 6.93 | 120                 | 76%                         | 12               | 39.4          | 22               | 72.2           |  |  |
|  |                                    | CMP                          |                 | Chart 5                | 1000                | 304.8 | 42.0                    | 19.1 | 78.7Ω/km | 7.9Ω/km  |   |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CEC:                         |                 | (Tech Info<br>Section) |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
| 300V RMS<br>   | <b>82842</b>                       | NEC:                         | 2               | See                    | 500                 | 152.4 | 25.5                    | 11.6 | 24.0Ω/M' | 3.1Ω/M'  | .305  | 7.75 | 120                 | 76%                         | 12               | 39.4          | 22               | 72.2           |  |  |
|  |                                    | CMP                          |                 | Chart 5                | 1000                | 304.8 | 49.0                    | 22.2 | 78.7Ω/km | 10.2Ω/km |   |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CEC:                         |                 | (Tech Info<br>Section) |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
| 300V RMS<br>   | <b>89841</b>                       | NEC:                         | 1               | See                    | 500                 | 152.4 | 13.5                    | 6.1  | 24.0Ω/M' | 3.1Ω/M'  | .202  | 5.13 | 120                 | 76%                         | 12               | 39.4          | 22               | 72.2           |  |  |
|  |                                    | CMP                          |                 | Chart 5                | 1000                | 304.8 | 27.0                    | 12.3 | 78.7Ω/km | 10.2Ω/km |   |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CEC:                         |                 | (Tech Info<br>Section) |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |
| 300V RMS<br>   | <b>89842</b><br><small>new</small> | NEC:                         | 2               | See                    | 500                 | 152.4 | 25.5                    | 11.6 | 24.0Ω/M' | 3.1Ω/M'  | .305  | 7.75 | 120                 | 76%                         | 12               | 39.4          | 22               | 72.2           |  |  |
|  |                                    | CMP                          |                 | Chart 5                | 1000                | 304.8 | 49.0                    | 22.2 | 78.7Ω/km | 10.2Ω/km |   |      |                     |                             |                  |               |                  |                |  |  |
|  |                                    | CEC:                         |                 | (Tech Info<br>Section) |                     |       |                         |      |          |          |   |      |                     |                             |                  |               |                  |                |  |  |

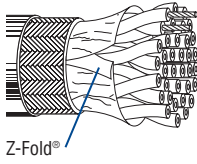
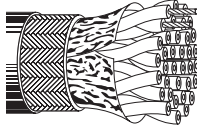
DCR = DC Resistance • TC = Tinned Copper

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

# Overall Foil/Braid Shield

## Low-Capacitance Computer Cables for EIA RS-232 Applications

| Description  | Part No. | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Pairs | Color<br>Code                       | Standard<br>Lengths |       | Standard<br>Unit Weight |      | Nom. DCR |          | Nominal<br>OD |       | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel.<br>of<br>Prop. | Nom. Capacitance |               |                  |                |
|--|----------|------------------------------|-----------------|-------------------------------------|---------------------|-------|-------------------------|------|----------|----------|---------------|-------|---------------------|-----------------------------|------------------|---------------|------------------|----------------|
|  |          |                              |                 |                                     | Ft.                 | m     | Lbs.                    | kg   | Cond.    | Shield   | Inch          | mm    |                     |                             | *<br>pF/<br>Ft.  | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |
| <b>24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage)</b> |          |                              |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
| <b>Semi-rigid PVC Insulation • Chrome PVC Jacket</b>   |          |                              |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
| UL AWM Style 2464<br>(300V 80°C)<br>CSA AWM I A  | 8332     | NEC:                         | 2               | See                                 | 100                 | 30.5  | 4.1                     | 1.9  | 24.0Ω/M' | 5.4Ω/M'  | .250          | 6.35  | 75                  | 60%                         | 30               | 98            | 50               | 164            |
|  |          | CMG                          |                 | Chart 5                             | 500                 | 152.4 | 16.5                    | 7.5  | 78.7Ω/km | 17.7Ω/km |               |       |                     |                             |                  |               |                  |                |
|  |          | CEC:                         |                 | (Tech Info<br>Section)              | 1000                | 304.8 | 37.0                    | 16.8 |          |          |               |       |                     |                             |                  |               |                  |                |
|  |          | CMG FT4                      |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
|  Z-Fold®  | 8333     | NEC:                         | 3               | See                                 | 100                 | 30.5  | 4.8                     | 2.2  | 24.0Ω/M' | 6.6Ω/M'  | .265          | 6.73  | 75                  | 60%                         | 30               | 98            | 50               | 164            |
|  |          | CMG                          |                 | Chart 5                             | 500                 | 152.4 | 20.5                    | 9.3  | 78.7Ω/km | 21.7Ω/km |               |       |                     |                             |                  |               |                  |                |
|  |          | CEC:                         |                 | (Tech Info<br>Section)              | 1000                | 304.8 | 44.0                    | 20.1 |          |          |               |       |                     |                             |                  |               |                  |                |
|  |          | CMG FT4                      |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
|  | 8334     | NEC:                         | 4               | See                                 | 100                 | 30.5  | 5.3                     | 2.4  | 24.0Ω/M' | 4.5Ω/M'  | .288          | 7.32  | 75                  | 60%                         | 30               | 98            | 50               | 164            |
|  |          | CMG                          |                 | Chart 5                             | 500                 | 152.4 | 22.5                    | 10.2 | 78.7Ω/km | 14.8Ω/km |               |       |                     |                             |                  |               |                  |                |
|  |          | CEC:                         |                 | (Tech Info<br>Section)              | 1000                | 304.8 | 49.0                    | 22.3 |          |          |               |       |                     |                             |                  |               |                  |                |
|  |          | CMG FT4                      |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
|  | 8335     | NEC:                         | 5               | See                                 | 100                 | 30.5  | 6.0                     | 2.7  | 24.0Ω/M' | 4.6Ω/M'  | .295          | 7.49  | 75                  | 60%                         | 30               | 98            | 50               | 164            |
|  |          | CMG                          |                 | Chart 5                             | 500                 | 152.4 | 29.5                    | 13.4 | 78.7Ω/km | 15.1Ω/km |               |       |                     |                             |                  |               |                  |                |
|  |          | CEC:                         |                 | (Tech Info<br>Section)              | 1000                | 304.8 | 57.0                    | 25.9 |          |          |               |       |                     |                             |                  |               |                  |                |
|  |          | CMG FT4                      |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
|  | 8336     | NEC:                         | 6               | See                                 | 100                 | 30.5  | 6.5                     | 3.0  | 24.0Ω/M' | 4.7Ω/M'  | .310          | 7.87  | 75                  | 60%                         | 30               | 98            | 50               | 164            |
|  |          | CMG                          |                 | Chart 5                             | 500                 | 152.4 | 31.5                    | 14.3 | 78.7Ω/km | 15.4Ω/km |               |       |                     |                             |                  |               |                  |                |
|  |          | CEC:                         |                 | (Tech Info<br>Section)              | 1000                | 304.8 | 62.0                    | 28.2 |          |          |               |       |                     |                             |                  |               |                  |                |
|  |          | CMG FT4                      |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
|  | 8337     | NEC:                         | 7               | See                                 | 100                 | 30.5  | 6.8                     | 3.1  | 24.0Ω/M' | 4.7Ω/M'  | .321          | 8.15  | 75                  | 60%                         | 30               | 98            | 50               | 164            |
|  |          | CMG                          |                 | Chart 5                             | 500                 | 152.4 | 33.0                    | 14.9 | 78.7Ω/km | 15.4Ω/km |               |       |                     |                             |                  |               |                  |                |
|  |          | CEC:                         |                 | (Tech Info<br>Section)              | 1000                | 304.8 | 65.0                    | 29.5 |          |          |               |       |                     |                             |                  |               |                  |                |
|  |          | CMG FT4                      |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
|  | 8340     | NEC:                         | 10              | See                                 | 100                 | 30.5  | 9.1                     | 4.1  | 24.0Ω/M' | 3.5Ω/M'  | .385          | 9.78  | 75                  | 60%                         | 30               | 98            | 50               | 164            |
|  |          | CMG                          |                 | Chart 5                             | 500                 | 152.4 | 43.5                    | 19.7 | 78.7Ω/km | 11.5Ω/km |               |       |                     |                             |                  |               |                  |                |
|  |          | CEC:                         |                 | (Tech Info<br>Section)              | 1000                | 304.8 | 90.0                    | 40.9 |          |          |               |       |                     |                             |                  |               |                  |                |
|  |          | CMG FT4                      |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
|  | 8342     | NEC:                         | 12.5            | See                                 | 100                 | 30.5  | 11.0                    | 5.0  | 24.0Ω/M' | 3.6Ω/M'  | .405          | 10.29 | 75                  | 60%                         | 30               | 98            | 50               | 164            |
|  |          | CMG                          |                 | (12 pairs +<br>1 single)<br>Chart 5 | 500                 | 152.4 | 55.0                    | 25.0 | 78.7Ω/km | 11.8Ω/km |               |       |                     |                             |                  |               |                  |                |
|  |          | CEC:                         |                 | (Tech Info<br>Section)              | 1000                | 304.8 | 109.0                   | 49.5 |          |          |               |       |                     |                             |                  |               |                  |                |
|  |          | CMG FT4                      |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
|  | 8345     | NEC:                         | 15              | See                                 | 500                 | 152.4 | 61.5                    | 28.0 | 24.0Ω/M' | 3.2Ω/M'  | .445          | 11.30 | 75                  | 60%                         | 30               | 98            | 50               | 164            |
|  |          | CMG                          |                 | Chart 5                             | 1000                | 304.8 | 123.0                   | 55.9 | 78.7Ω/km | 10.5Ω/km |               |       |                     |                             |                  |               |                  |                |
|  |          | CEC:                         |                 | (Tech Info<br>Section)              |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
|  |          | CMG FT4                      |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
| UL AWM Style 2464<br>(300V 80°C)   | 8348     | NEC:                         | 18              | See                                 | 100                 | 30.5  | 14.2                    | 6.4  | 24.0Ω/M' | 2.7Ω/M'  | .480          | 12.19 | 75                  | 60%                         | 30               | 98            | 50               | 164            |
|  |          | CMG                          |                 | Chart 5                             | 500                 | 152.4 | 78.5                    | 35.8 | 78.7Ω/km | 8.9Ω/km  |               |       |                     |                             |                  |               |                  |                |
|  |          | CEC:                         |                 | (Tech Info<br>Section)              | 1000                | 304.8 | 152.0                   | 69.3 |          |          |               |       |                     |                             |                  |               |                  |                |
|  |          | CMG FT4                      |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
|   | 8355     | NEC:                         | 25              | See                                 | 500                 | 152.4 | 96.5                    | 43.9 | 24.0Ω/M' | 2.5Ω/M'  | .550          | 13.97 | 75                  | 60%                         | 30               | 98            | 50               | 164            |
|  |          | CMG                          |                 | Chart 5                             | 1000                | 304.8 | 195.0                   | 88.6 | 78.7Ω/km | 8.2Ω/km  |               |       |                     |                             |                  |               |                  |                |
|  |          | CEC:                         |                 | (Tech Info<br>Section)              |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |
|  |          | CMG FT4                      |                 |                                     |                     |       |                         |      |          |          |               |       |                     |                             |                  |               |                  |                |

DCR = DC Resistance • TC = Tinned Copper

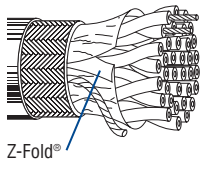
\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.



# Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

| Description   | Part No.                 | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Pairs                          | Color<br>Code                            | Standard<br>Lengths |                        | Standard<br>Unit Weight |                      | Nom. DCR             |                     | Nominal<br>OD |     | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel.<br>of<br>Prop. | Nom. Capacitance |               |                  |                |
|---|--------------------------|------------------------------|--|--|---------------------|------------------------|-------------------------|----------------------|----------------------|---------------------|---------------|-----|---------------------|-----------------------------|------------------|---------------|------------------|----------------|
|   |                          |                              |  |  | Ft.                 | m                      | Lbs.                    | kg                   | Cond.                | Shield              | Inch          | mm  |                     |                             | *<br>pF/<br>Ft.  | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |
| <b>24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • TC Drain Wire†</b> |                          |                              |  |  |                     |                        |                         |                      |                      |                     |               |     |                     |                             |                  |               |                  |                |
| <b>Polyethylene Insulation • Chrome PVC Jacket</b>  |                          |                              |  |  |                     |                        |                         |                      |                      |                     |               |     |                     |                             |                  |               |                  |                |
|  <p>UL AWM Style 2919<br/>(30V 80°C)</p> <p>Z-Fold®</p>           | <b>9829</b>              | NEC:<br>CM<br>CEC:<br>CM     | 2  | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000  | 30.5<br>152.4<br>304.8 | 4.7<br>22.0<br>43.0     | 2.1<br>10.0<br>19.5  | 24.0Ω/M'<br>78.7Ω/km | 4.4Ω/M'<br>14.4Ω/km | .291<br>7.39  | 100 | 66%                 | 15.5                        | 50.9             | 27.5          | 90.2             |                |
|   | <b>9830</b>              | NEC:<br>CM<br>CEC:<br>CM     | 3  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000         | 152.4<br>304.8         | 26.5<br>53.0            | 12.0<br>24.1         | 24.0Ω/M'<br>78.7Ω/km | 4.4Ω/M'<br>14.4Ω/km | .305<br>7.74  | 100 | 66%                 | 15.5                        | 50.9             | 27.5          | 90.2             |                |
|   | <b>9831</b>              | NEC:<br>CM<br>CEC:<br>CM     | 4  | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000  | 30.5<br>152.4<br>304.8 | 6.2<br>30.0<br>58.0     | 2.8<br>13.6<br>26.4  | 24.0Ω/M'<br>78.7Ω/km | 3.9Ω/M'<br>12.8Ω/km | .330<br>8.38  | 100 | 66%                 | 15.5                        | 50.9             | 27.5          | 90.2             |                |
|   | <b>9832</b>              | NEC:<br>CM<br>CEC:<br>CM     | 5  | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000  | 30.5<br>152.4<br>304.8 | 6.6<br>32.5<br>65.0     | 3.0<br>14.8<br>29.5  | 24.0Ω/M'<br>78.7Ω/km | 3.9Ω/M'<br>12.8Ω/km | .338<br>8.59  | 100 | 66%                 | 15.5                        | 50.9             | 27.5          | 90.2             |                |
|   | <b>9839</b>              | NEC:<br>CM<br>CEC:<br>CM     | 6  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000         | 152.4<br>304.8         | 35.5<br>69.0            | 16.1<br>31.4         | 24.0Ω/M'<br>78.7Ω/km | 2.1Ω/M'<br>6.9Ω/km  | .364<br>9.25  | 100 | 66%                 | 15.5                        | 50.9             | 27.5          | 90.2             |                |
|   | <b>9833</b>              | NEC:<br>CM<br>CEC:<br>CM     | 7  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000         | 152.4<br>304.8         | 38.5<br>77.0            | 17.5<br>35.0         | 24.0Ω/M'<br>78.7Ω/km | 3.7Ω/M'<br>12.1Ω/km | .370<br>9.40  | 100 | 66%                 | 15.5                        | 50.9             | 27.5          | 90.2             |                |
|   | <b>9834</b>              | NEC:<br>CM<br>CEC:<br>CM     | 9  | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000         | 152.4<br>304.8         | 47.0<br>93.0            | 21.4<br>42.3         | 24.0Ω/M'<br>78.7Ω/km | 3.0Ω/M'<br>9.8Ω/km  | .419<br>10.64 | 100 | 66%                 | 15.5                        | 50.9             | 27.5          | 90.2             |                |
|   | <b>9835</b>              | NEC:<br>CM<br>CEC:<br>CM     | 10                                       | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000         | 152.4<br>304.8         | 51.5<br>102.0           | 23.4<br>46.4         | 24.0Ω/M'<br>78.7Ω/km | 2.8Ω/M'<br>9.2Ω/km  | .451<br>11.46 | 100 | 66%                 | 15.5                        | 50.9             | 27.5          | 90.2             |                |
|   | <b>9836</b>              | NEC:<br>CM<br>CEC:<br>CM     | 12                                       | See<br>Chart 5<br>(Tech Info<br>Section) | 100<br>500<br>1000  | 30.5<br>152.4<br>304.8 | 10.4<br>57.0<br>114.0   | 4.7<br>25.9<br>51.8  | 24.0Ω/M'<br>78.7Ω/km | 2.8Ω/M'<br>9.2Ω/km  | .464<br>11.79 | 100 | 66%                 | 15.5                        | 50.9             | 27.5          | 90.2             |                |
|   | <b>9837</b>              | NEC:<br>CM<br>CEC:<br>CM     | 18                                       | See<br>Chart 5<br>(Tech Info<br>Section) | 500<br>1000         | 152.4<br>304.8         | 87.5<br>174.0           | 39.8<br>79.1         | 24.0Ω/M'<br>78.7Ω/km | 2.0Ω/M'<br>6.6Ω/km  | .567<br>14.40 | 100 | 66%                 | 15.5                        | 50.9             | 27.5          | 90.2             |                |
| <b>9838</b>   | NEC:<br>CM<br>CEC:<br>CM | 25                           | See<br>Chart 5<br>(Tech Info<br>Section) | 500                                      | 152.4               | 113.0                  | 51.4                    | 24.0Ω/M'<br>78.7Ω/km | 1.9Ω/M'<br>6.2Ω/km   | .670<br>17.02       | 100           | 66% | 15.5                | 50.9                        | 27.5             | 90.2          |                  |                |

†24 AWG stranded TC drain wire.

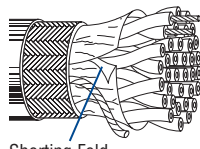
DCR = DC Resistance • TC = Tinned Copper

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

# Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

| Description  | Part No.    | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Pairs                  | Color<br>Code | Standard<br>Lengths |        | Standard<br>Unit Weight |       | Nom. DCR |          | Nominal<br>OD |       | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel.<br>of<br>Prop. | Nom. Capacitance |               |                  |                |
|--|-------------|------------------------------|----------------------------------|---------------|---------------------|--------|-------------------------|-------|----------|----------|---------------|-------|---------------------|-----------------------------|------------------|---------------|------------------|----------------|
|  |             |                              |                                  |               | Ft.                 | m      | Lbs.                    | kg    | Cond.    | Shield   | Inch          | mm    |                     |                             | *<br>pF/<br>Ft.  | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |
| <b>24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire†</b> |             |                              |                                  |               |                     |        |                         |       |          |          |               |       |                     |                             |                  |               |                  |                |
| <b>Datalene® Insulation • Chrome PVC Jacket</b>  |             |                              |                                  |               |                     |        |                         |       |          |          |               |       |                     |                             |                  |               |                  |                |
| UL AWM Style 2919<br>(30V 80°C)  | <b>8102</b> | NEC:                         | 2                                | See           | 100                 | 30.5   | 4.1                     | 1.9   | 24.0Ω/M' | 4.6Ω/M'  | .270          | 6.86  | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Chart 5       | 500                 | 152.4  | 17.0                    | 7.7   | 78.7Ω/km | 15.1Ω/km |               |       |                     |                             |                  |               |                  |                |
|   | <b>8103</b> | CEC:                         | 3                                | (Tech Info    | 1000                | 304.8  | 38.0                    | 17.3  | 24.0Ω/M' | 3.8Ω/M'  | .283          | 7.19  | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Section)      | 10000               | 3048.0 | 380.0                   | 172.7 |          |          |               |       |                     |                             |                  |               |                  |                |
| Shorting Fold  | <b>8104</b> | CEC:                         | 4                                | (Tech Info    | 1000                | 304.8  | 46.0                    | 20.9  | 24.0Ω/M' | 4.1Ω/M'  | .302          | 7.67  | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Section)      | 10000               | 3048.0 | 490.0                   | 222.7 |          |          |               |       |                     |                             |                  |               |                  |                |
|  | <b>8105</b> | CEC:                         | 5                                | (Tech Info    | 1000                | 304.8  | 53.0                    | 24.1  | 24.0Ω/M' | 4.2Ω/M'  | .316          | 8.03  | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Section)      | 10000               | 3048.0 | 58.0                    | 26.4  |          |          |               |       |                     |                             |                  |               |                  |                |
|  | <b>8106</b> | CEC:                         | 6                                | (Tech Info    | 1000                | 304.8  | 63.0                    | 28.6  | 24.0Ω/M' | 3.5Ω/M'  | .341          | 8.66  | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Section)      | 10000               | 3048.0 | 63.0                    | 28.6  |          |          |               |       |                     |                             |                  |               |                  |                |
|  | <b>8107</b> | CEC:                         | 7                                | (Tech Info    | 1000                | 304.8  | 63.0                    | 28.6  | 24.0Ω/M' | 3.5Ω/M'  | .341          | 8.66  | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Section)      | 10000               | 3048.0 | 63.0                    | 28.6  |          |          |               |       |                     |                             |                  |               |                  |                |
|  | <b>8108</b> | CEC:                         | 8                                | (Tech Info    | 1000                | 304.8  | 72.0                    | 32.8  | 24.0Ω/M' | 2.7Ω/M'  | .370          | 9.40  | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Section)      | 10000               | 3048.0 | 72.0                    | 32.8  |          |          |               |       |                     |                             |                  |               |                  |                |
|  | <b>8110</b> | CEC:                         | 10                               | (Tech Info    | 1000                | 304.8  | 90.0                    | 40.9  | 24.0Ω/M' | 2.4Ω/M'  | .427          | 10.85 | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Section)      | 10000               | 3048.0 | 90.0                    | 40.9  |          |          |               |       |                     |                             |                  |               |                  |                |
|  | <b>8112</b> | CEC:                         | 12.5<br>(12 pairs +<br>1 single) | (Tech Info    | 1000                | 304.8  | 101.0                   | 45.9  | 24.0Ω/M' | 2.4Ω/M'  | .440          | 11.18 | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Section)      | 10000               | 3048.0 | 101.0                   | 45.9  |          |          |               |       |                     |                             |                  |               |                  |                |
|  | <b>8115</b> | CEC:                         | 15                               | (Tech Info    | 1000                | 304.8  | 116.0                   | 52.7  | 24.0Ω/M' | 2.6Ω/M'  | .495          | 12.57 | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Section)      | 10000               | 3048.0 | 116.0                   | 52.7  |          |          |               |       |                     |                             |                  |               |                  |                |
|  | <b>8118</b> | CEC:                         | 18                               | (Tech Info    | 1000                | 304.8  | 144.0                   | 65.5  | 24.0Ω/M' | 2.1Ω/M'  | .537          | 13.64 | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Section)      | 10000               | 3048.0 | 144.0                   | 65.5  |          |          |               |       |                     |                             |                  |               |                  |                |
|  | <b>8125</b> | CEC:                         | 25                               | (Tech Info    | 1000                | 304.8  | 191.0                   | 86.8  | 24.0Ω/M' | 2.0Ω/M'  | .632          | 16.05 | 100                 | 78%                         | 12.5             | 41            | 22               | 72.2           |
|  |             | CM                           |                                  | Section)      | 10000               | 3048.0 | 191.0                   | 86.8  |          |          |               |       |                     |                             |                  |               |                  |                |

†24 AWG stranded TC drain wire.

DCR = DC Resistance • TC = Tinned Copper

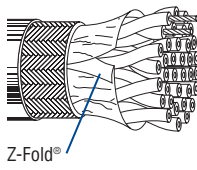
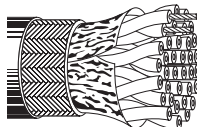
\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

# Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 Applications

| Description   | Part No.    | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Pairs     | Color<br>Code       | Standard<br>Lengths |       | Standard<br>Unit Weight |          | Nom. DCR |          | Nominal<br>OD |       | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel.<br>of<br>Prop. | Nom. Capacitance |               |                  |                |  |
|---|-------------|------------------------------|---------------------|---------------------|---------------------|-------|-------------------------|----------|----------|----------|---------------|-------|---------------------|-----------------------------|------------------|---------------|------------------|----------------|--|
|   |             |                              |                     |                     | Ft.                 | m     | Lbs.                    | kg       | Cond.    | Shield   | Inch          | mm    |                     |                             | *<br>pF/<br>Ft.  | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |  |
| <b>22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage)</b> |             |                              |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
| <b>Semi-rigid PVC Insulation • Chrome PVC Jacket</b>  |             |                              |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|  <p>UL AWM Style 2464<br/>(300V 80°C)</p> <p>Z-Fold®</p>    | <b>8302</b> | NEC:                         | 2                   | See                 | 100                 | 30.5  | 4.5                     | 2.0      | 15.0Ω/M' | 5.7Ω/M'  | .260          | 6.60  | 70                  | 60%                         | 40               | 131           | 72               | 236            |  |
|   |             | CMG                          |                     | Chart 3             | 500                 | 152.4 | 19.0                    | 8.6      | 49.2Ω/km | 18.7Ω/km |               |       |                     |                             |                  |               |                  |                |  |
|   |             | CEC:                         |                     | (Tech Info Section) | 1000                | 304.8 | 41.0                    | 18.6     |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   |             | CMG FT4                      |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | <b>8303</b> | NEC:                         | 3                   | See                 | 100                 | 30.5  | 5.2                     | 2.4      | 15.0Ω/M' | 6.2Ω/M'  | .270          | 6.86  | 70                  | 60%                         | 35               | 115           | 63               | 207            |  |
|   |             | CMG                          |                     | Chart 3             | 500                 | 152.4 | 25.5                    | 11.6     | 49.2Ω/km | 20.3Ω/km |               |       |                     |                             |                  |               |                  |                |  |
|   |             | CEC:                         |                     | (Tech Info Section) | 1000                | 304.8 | 48.0                    | 21.8     |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   |             | CMG FT4                      |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | <b>8304</b> | NEC:                         | 4                   | See                 | 100                 | 30.5  | 6.7                     | 3.0      | 15.0Ω/M' | 4.9Ω/M'  | .320          | 8.13  | 70                  | 60%                         | 35               | 115           | 63               | 207            |  |
|   |             | CMG                          |                     | Chart 3             | 500                 | 152.4 | 32.5                    | 14.7     | 49.2Ω/km | 16.1Ω/km |               |       |                     |                             |                  |               |                  |                |  |
| CEC:  |             | (Tech Info Section)          |                     | 1000                | 304.8               | 65.0  | 29.5                    |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CMG FT4     |                              |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
| <b>8305</b>   | NEC:        | 5                            | See                 | 100                 | 30.5                | 7.2   | 3.3                     | 15.0Ω/M' | 4.8Ω/M'  | .322     | 8.18          | 70    | 60%                 | 35                          | 115              | 63            | 207              |                |  |
|   | CMG         |                              | Chart 3             | 500                 | 152.4               | 35.0  | 15.9                    | 49.2Ω/km | 15.7Ω/km |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CEC:        |                              | (Tech Info Section) | 1000                | 304.8               | 67.0  | 30.4                    |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CMG FT4     |                              |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
| <b>8306</b>   | NEC:        | 6                            | See                 | 100                 | 30.5                | 8.0   | 3.6                     | 15.0Ω/M' | 5.0Ω/M'  | .348     | 8.84          | 70    | 60%                 | 35                          | 115              | 63            | 207              |                |  |
|   | CMG         |                              | Chart 3             | 500                 | 152.4               | 39.5  | 18.0                    | 49.2Ω/km | 16.4Ω/km |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CEC:        |                              | (Tech Info Section) | 1000                | 304.8               | 79.0  | 35.8                    |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CMG FT4     |                              |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
| <b>8307</b>   | NEC:        | 7                            | See                 | 100                 | 30.5                | 8.6   | 3.9                     | 15.0Ω/M' | 5.0Ω/M'  | .348     | 8.84          | 70    | 60%                 | 35                          | 115              | 63            | 207              |                |  |
|   | CMG         |                              | Chart 3             | 500                 | 152.4               | 42.0  | 19.0                    | 49.2Ω/km | 16.4Ω/km |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CEC:        |                              | (Tech Info Section) | 1000                | 304.8               | 85.0  | 38.6                    |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CMG FT4     |                              |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
| <b>8308</b>   | NEC:        | 8                            | See                 | 100                 | 30.5                | 10.4  | 4.7                     | 15.0Ω/M' | 4.4Ω/M'  | .384     | 9.75          | 70    | 60%                 | 35                          | 115              | 63            | 207              |                |  |
|   | CMG         |                              | Chart 3             | 500                 | 152.4               | 50.0  | 22.7                    | 49.2Ω/km | 14.4Ω/km |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CEC:        |                              | (Tech Info Section) | 1000                | 304.8               | 101.0 | 46.0                    |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CMG FT4     |                              |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|  <p>UL AWM Style 2464<br/>(300V 80°C)</p>                 | <b>8310</b> | NEC:                         | 10                  | See                 | 100                 | 30.5  | 11.1                    | 5.0      | 15.0Ω/M' | 4.1Ω/M'  | .440          | 11.18 | 70                  | 60%                         | 35               | 115           | 63               | 207            |  |
|   |             | CMG                          |                     | Chart 3             | 500                 | 152.4 | 60.5                    | 27.4     | 49.2Ω/km | 13.4Ω/km |               |       |                     |                             |                  |               |                  |                |  |
|   |             | CEC:                         |                     | (Tech Info Section) | 1000                | 304.8 | 121.0                   | 54.9     |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   |             | CMG FT4                      |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | <b>8312</b> | NEC:                         | 12                  | See                 | 100                 | 30.5  | 12.9                    | 5.9      | 15.0Ω/M' | 4.2Ω/M'  | .455          | 11.56 | 70                  | 60%                         | 35               | 115           | 63               | 207            |  |
|   |             | CMG                          |                     | Chart 3             | 500                 | 152.4 | 72.0                    | 32.8     | 49.2Ω/km | 13.8Ω/km |               |       |                     |                             |                  |               |                  |                |  |
|   |             | CEC:                         |                     | (Tech Info Section) | 1000                | 304.8 | 140.0                   | 63.8     |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   |             | CMG FT4                      |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | <b>8315</b> | NEC:                         | 15                  | See                 | 100                 | 30.5  | 15.7                    | 7.1      | 15.0Ω/M' | 3.8Ω/M'  | .502          | 12.75 | 70                  | 60%                         | 35               | 115           | 63               | 207            |  |
|   |             | CMG                          |                     | Chart 3             | 500                 | 152.4 | 85.5                    | 39.0     | 49.2Ω/km | 12.5Ω/km |               |       |                     |                             |                  |               |                  |                |  |
| CEC:  |             | (Tech Info Section)          |                     | 1000                | 304.8               | 167.0 | 76.1                    |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CMG FT4     |                              |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
| <b>8318</b>   | NEC:        | 18                           | See                 | 100                 | 30.5                | 17.7  | 8.0                     | 15.0Ω/M' | 3.0Ω/M'  | .535     | 13.59         | 70    | 60%                 | 35                          | 115              | 63            | 207              |                |  |
|   | CMG         |                              | Chart 3             | 500                 | 152.4               | 97.5  | 44.2                    | 49.2Ω/km | 9.8Ω/km  |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CEC:        |                              | (Tech Info Section) | 1000                | 304.8               | 196.0 | 89.1                    |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CMG FT4     |                              |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
| <b>8325</b>   | NEC:        | 25                           | See                 | 100                 | 30.5                | 23.1  | 10.5                    | 15.0Ω/M' | 2.9Ω/M'  | .620     | 15.75         | 70    | 60%                 | 35                          | 115              | 63            | 207              |                |  |
|   | CMG         |                              | Chart 3             | 500                 | 152.4               | 126.0 | 57.4                    | 49.2Ω/km | 9.5Ω/km  |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CEC:        |                              | (Tech Info Section) | 1000                | 304.8               | 246.0 | 112.1                   |          |          |          |               |       |                     |                             |                  |               |                  |                |  |
|   | CMG FT4     |                              |                     |                     |                     |       |                         |          |          |          |               |       |                     |                             |                  |               |                  |                |  |

DCR = DC Resistance • TC = Tinned Copper

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

## Overall Foil/Braid Shield

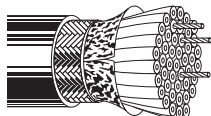
Computer Cables for EIA RS-232 Applications and IEEE 488 Interface,  
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Cond. | Color<br>Code | Standard Lengths |   | Standard<br>Unit Weight |    | Nominal OD |    | Nominal DCR |        | Nom.<br>Vel.<br>of<br>Prop. | Nominal Capacitance |               |                  |                |
|-------------|----------|------------------------------|-----------------|---------------|------------------|---|-------------------------|----|------------|----|-------------|--------|-----------------------------|---------------------|---------------|------------------|----------------|
|             |          |                              |                 |               | Ft.              | m | Lbs.                    | kg | Inch       | mm | Cond.       | Shield |                             | *<br>pF/<br>Ft.     | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |

**28 AWG** Stranded (7x36) Tinned Copper Conductors • Overall Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (65% Coverage)

### Semi-rigid PVC Insulation • Chrome PVC Jacket

|                                  |             |             |    |   |      |       |      |      |      |      |           |          |     |    |    |    |     |
|----------------------------------|-------------|-------------|----|---|------|-------|------|------|------|------|-----------|----------|-----|----|----|----|-----|
| UL AWM Style 2464<br>(300V 80°C) | <b>9637</b> | NEC:<br>CL2 | 25 | See<br>Chart 2R<br>(Tech Info<br>Section) | 100  | 30.5  | 6.2  | 2.8  | .305 | 7.75 | 64.9Ω/M'  | 4.5Ω/M'  | 66% | 30 | 98 | 50 | 164 |
| CSA AWM I B FT4                  |             |             |    |   | 500  | 152.4 | 30.0 | 13.6 |      |      | 212.9Ω/km | 14.8Ω/km |     |    |    |    |     |
|                                  |             |             |    |   | 1000 | 304.8 | 59.0 | 26.8 |      |      |           |          |     |    |    |    |     |



**Low Cap 28 AWG** Stranded (7x36) TC Conductors • Overall Beldfoil (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire†

### Datalene® Insulation • Chrome PVC Jacket

|                                 |             |             |   |  |      |       |      |      |      |      |           |          |     |    |      |    |      |
|---------------------------------|-------------|-------------|---|--|------|-------|------|------|------|------|-----------|----------|-----|----|------|----|------|
| UL AWM Style 2919<br>(30V 80°C) | <b>9791</b> | NEC:<br>CL2 | 6 | See<br>Chart 1<br>(Tech Info<br>Section) | 500  | 152.4 | 13.0 | 6.0  | .225 | 5.72 | 64.9Ω/M'  | 6.15Ω/M' | 78% | 12 | 39.4 | 22 | 72.2 |
| VW-1                            |             |             |   |  | 1000 | 304.8 | 29.0 | 13.2 |      |      | 212.9Ω/km | 20.2Ω/km |     |    |      |    |      |

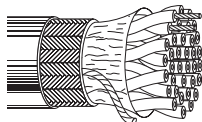


†28 AWG Stranded TC Drain Wire

**IEEE 488 • 26 AWG & 24 AWG** Stranded (7x34 & 7x32) TC Cond. • Overall Beldfoil (100% Coverage) + TC Braid Shield (90% Coverage) • Drain Wire

### Semi-rigid PVC Insulation • Gray PVC Jacket

|                                  |             |                 |  |  |      |       |      |      |      |      |                     |          |     |   |   |   |   |
|----------------------------------|-------------|-----------------|--|--|------|-------|------|------|------|------|---------------------|----------|-----|---|---|---|---|
| UL AWM Style 2464<br>(300V 80°C) | <b>9641</b> | NEC:<br>CMG     | 23:<br>(6)   | See<br>Chart 1<br>(Tech Info<br>Section) | 1000 | 304.8 | 82.0 | 37.4 | .350 | 8.89 | 26 AWG:<br>2.6Ω/M'  | 2.6Ω/M'  | 66% | — | — | — | — |
| CSA AWM I A                      |             | CEC:<br>CMG FT4 | 26 AWG<br>Pairs<br>(10)<br>26 AWG<br>Cond.<br>(1)<br>24 AWG<br>Cond. |  |      |       |      |      |      |      | 37.3Ω/M'            | 8.5Ω/km  |     |   |   |   |   |
|                                  |             |                 |  |  |      |       |      |      |      |      | 122.4Ω/km           |          |     |   |   |   |   |
|                                  |             |                 |  |  |      |       |      |      |      |      | 24 AWG:<br>23.3Ω/M' | 76.4Ω/km |     |   |   |   |   |



TC = Tinned Copper

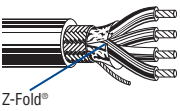
\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to ground.

Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

**Overall Foil/Braid Shield**

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

| Description   | Part No. | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Cond. | Color<br>Code   | Standard Lengths |       | Standard<br>Unit Weight |      | Nominal OD |       | Nominal DCR |          | Nom.<br>Vel.<br>of<br>Prop. | Nominal Capacitance |               |                  |                |
|---|----------|------------------------------|-----------------|-----------------|------------------|-------|-------------------------|------|------------|-------|-------------|----------|-----------------------------|---------------------|---------------|------------------|----------------|
|   |          |                              |                 |                 | Ft.              | m     | Lbs.                    | kg   | Inch       | mm    | Cond.       | Shield   |                             | *<br>pF/<br>Ft.     | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |
| <b>24 AWG Stranded (7x32) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire††</b> |          |                              |                 |                 |                  |       |                         |      |            |       |             |          |                             |                     |               |                  |                |
| <b>Datalene® Insulation • Chrome PVC Jacket</b>   |          |                              |                 |                 |                  |       |                         |      |            |       |             |          |                             |                     |               |                  |                |
| UL AWM Style 2919<br>(30V 80°C)   | 9925     | NEC:                         | 3               | See<br>Chart 1  | 100              | 30.5  | 3.5                     | 1.6  | .215       | 5.46  | 24.0Ω/M'    | 5.2Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |                 | 500              | 152.4 | 12.0                    | 5.5  |            |       | 78.7Ω/km    | 17.0Ω/km |                             |                     |               |                  |                |
|   | 9927     | CEC:                         | 4               | See<br>Chart 1  | 100              | 30.5  | 3.6                     | 1.6  | .230       | 5.84  | 24.0Ω/M'    | 5.3Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |                 | 500              | 152.4 | 14.5                    | 6.6  |            |       | 78.7Ω/km    | 17.4Ω/km |                             |                     |               |                  |                |
|   | 9929     | CEC:                         | 5               | See<br>Chart 1  | 100              | 30.5  | 4.0                     | 1.8  | .246       | 6.25  | 24.0Ω/M'    | 4.2Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |                 | 500              | 152.4 | 16.0                    | 7.3  |            |       | 78.7Ω/km    | 13.9Ω/km |                             |                     |               |                  |                |
|   | 9931     | CEC:                         | 6               | See<br>Chart 1  | 100              | 30.5  | 4.2                     | 1.9  | .265       | 6.73  | 24.0Ω/M'    | 4.4Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |                 | 500              | 152.4 | 17.5                    | 8.0  |            |       | 78.7Ω/km    | 14.4Ω/km |                             |                     |               |                  |                |
|   | 9932     | CEC:                         | 7               | See<br>Chart 1  | 100              | 30.5  | 4.5                     | 2.0  | .265       | 6.73  | 24.0Ω/M'    | 4.4Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |                 | 500              | 152.4 | 18.5                    | 8.4  |            |       | 78.7Ω/km    | 14.4Ω/km |                             |                     |               |                  |                |
|   | 9933     | CEC:                         | 8               | See<br>Chart 1  | 100              | 30.5  | 4.9                     | 2.2  | .280       | 7.11  | 24.0Ω/M'    | 4.4Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |                 | 500              | 152.4 | 21.0                    | 9.6  |            |       | 78.7Ω/km    | 14.4Ω/km |                             |                     |               |                  |                |
|   | 9934     | CEC:                         | 9               | See<br>Chart 1  | 100              | 30.5  | 5.2                     | 2.4  | .300       | 7.62  | 24.0Ω/M'    | 3.9Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |                 | 500              | 152.4 | 22.0                    | 10.0 |            |       | 78.7Ω/km    | 12.6Ω/km |                             |                     |               |                  |                |
|   | 9935     | CEC:                         | 10              | See<br>Chart 1  | 100              | 30.5  | 5.7                     | 2.6  | .306       | 7.77  | 24.0Ω/M'    | 3.2Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |                 | 500              | 152.4 | 28.0                    | 12.7 |            |       | 78.7Ω/km    | 10.4Ω/km |                             |                     |               |                  |                |
|   | 9936     | CEC:                         | 15              | See<br>Chart 2R | 100              | 30.5  | 7.2                     | 3.3  | .350       | 8.89  | 24.0Ω/M'    | 3.6Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |                 | 500              | 152.4 | 35.0                    | 15.9 |            |       | 78.7Ω/km    | 11.7Ω/km |                             |                     |               |                  |                |
|   | 9937     | CEC:                         | 25              | See<br>Chart 2R | 100              | 30.5  | 9.9                     | 4.5  | .445       | 11.30 | 24.0Ω/M'    | 2.8Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |                 | 500              | 152.4 | 54.5                    | 24.8 |            |       | 78.7Ω/km    | 9.1Ω/km  |                             |                     |               |                  |                |
|   | 9938     | CEC:                         | 37              | See<br>Chart 2R | 100              | 30.5  | 12.9                    | 5.9  | .500       | 12.7  | 24.0Ω/M'    | 2.4Ω/M'  | 78%                         | 12                  | 39.4          | 22               | 72.2           |
|   |          | CM:                          |                 |                 | 500              | 152.4 | 71.5                    | 32.5 |            |       | 78.7Ω/km    | 7.8Ω/km  |                             |                     |               |                  |                |
|   |          | CEC:                         |                 |                 | 1000             | 304.8 | 139.0                   | 63.1 |            |       |             |          |                             |                     |               |                  |                |
|   |          | CM:                          |                 |                 |                  |       |                         |      |            |       |             |          |                             |                     |               |                  |                |

†24 AWG Stranded TC Drain Wire

DCR = DC Resistance • TC = Tinned Copper

\*Capacitance between conductors.

\*\*Nominal capacitance conductor to conductor and shield.

††Final put-up may vary -10% to +20%. May contain two pieces, minimum length of any one piece is 1500 ft.

Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.