






## Standard Analog Video Cables

### 75 Ohm Coax



| De-<br>scription   | Part<br>No. | UL NEC/<br>C(UL)/CEC<br>Type IEC | Standard<br>Lengths |       | Standard<br>Unit Weight |      | Conductor<br>(Stranding)<br>Diameter<br>Nom. DCR | Nominal<br>Insulation OD                            |      | Shielding<br>Material<br>Nom. DCR | Nominal OD |       | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel. of<br>Prop. | Nominal<br>Capacitance |      | Nominal Attenuation |                |              |  |
|--|-------------|----------------------------------|---------------------|-------|-------------------------|------|--|---|------|-----------------------------------|------------|-------|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|--|
|  |             |                                  | ft.                 | m     | lbs.                    | kg   |  | inch  | mm   |                                   | inch       | mm    |                     |                          | pF/ft.                 | pF/m | MHz                 | dB/<br>100 ft. | dB/<br>100 m |  |
| <b>23 AWG • Solid 0.6 mm Copper-Covered Steel Conductor • 95 % Bare Copper Braid</b>                           |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| <b>Polyethylene Insulation • Black PVC Jacket</b>  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| 30V RMS  | <b>8241</b> | NEC:                             | 100                 | 31    | 4.4                     | 2.0  | 0.58 mm  | 0.146   | 3.71 | 95% BC                            | 0.240      | 6.10  | 75                  | 66%                      | 20.5                   | 67.3 | 1                   | 0.6            | 2.0          |  |
| 75°C   |             | CM                               | U-500               | U-152 | 19.5                    | 8.8  | 23 AWG   |   |      | Braid                             |            |       |                     |                          |                        |      | 10                  | 1.1            | 3.6          |  |
| UL AWM Style 1354, VW1   |             | CEC:                             | 500                 | 152   | 18.5                    | 8.4  | Solid CCS  |   |      | 8.5 Ω/km***                       |            |       |                     |                          |                        |      | 50                  | 2.4            | 7.9          |  |
|                               |             |                                  | U-1000              | U-305 | 38.0                    | 17.2 | 169.2 Ω/km*                                      |   |      |                                   |            |       |                     |                          |                        |      | 100                 | 3.4            | 11.2         |  |
|  |             |                                  | 1000                | 305   | 40.0                    | 18.1 | 160.7 Ω/km**                                     |   |      |                                   |            |       |                     |                          |                        |      | 200                 | 4.9            | 16.1         |  |
| 0.6/3.7  |             |                                  | 2000                | 610   | 80.0                    | 36.3 |  |   |      |                                   |            |       |                     |                          |                        |      | 400                 | 7.0            | 23.0         |  |
| RG-59/U Typ  |             |                                  | 5000                | 1524  | 200.0                   | 90.7 |  |   |      |                                   |            |       |                     |                          |                        |      | 700                 | 9.7            | 31.8         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 900                 | 11.1           | 36.4         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 1000                | 12.0           | 39.4         |  |
| U-305 m put-up also available in Red, Yellow, Green, Light Blue, White, Orange and Black.                      |             |                                  |                     |       |                         |      |  | Nominal Delay: 5.053 ns/m<br>Pulling Tension: 276 N |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| <b>22 AWG • Stranded (7x30) 0.8 mm Bare Copper Conductor • 95 % Bare Copper Braid</b>                          |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| <b>Polyethylene Insulation • Black PVC Jacket</b>  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| 30V RMS  | <b>9259</b> | NEC:                             | 100                 | 31    | 4.1                     | 1.9  | 0.76 mm  | 0.146   | 3.71 | 95% BC                            | 0.241      | 6.12  | 75                  | 78%                      | 17.3                   | 56.7 | 1                   | 0.3            | 1.0          |  |
| 80°C   |             | CM                               | U-500               | U-152 | 18.1                    | 8.2  | 22 AWG   |   |      | Braid                             |            |       |                     |                          |                        |      | 10                  | 0.9            | 3.0          |  |
| UL AWM Style 1354  |             | CEC:                             | 500                 | 152   | 16.6                    | 7.5  | (7x30) BC  |   |      | 8.5 Ω/km***                       |            |       |                     |                          |                        |      | 50                  | 2.1            | 6.9          |  |
|                               |             | CM                               | U-1000              | U-305 | 35.0                    | 15.9 | 57.7 Ω/km*                                       |   |      |                                   |            |       |                     |                          |                        |      | 100                 | 3.0            | 9.8          |  |
|  |             |                                  | 1000                | 305   | 37.0                    | 16.8 | 49.2 Ω/km**                                      |   |      |                                   |            |       |                     |                          |                        |      | 200                 | 4.5            | 14.8         |  |
| 0.7/3.7  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 400                 | 6.6            | 21.7         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 700                 | 8.9            | 29.2         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 900                 | 10.1           | 33.1         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 1000                | 10.9           | 35.8         |  |
| For CCTV applications.   |             |                                  |                     |       |                         |      |  | Nominal Delay: 5.053 ns/m<br>Pulling Tension: 275 N |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| <b>20 AWG • Solid 0.8 mm Bare Copper • 98 % Tinned Copper Double Braid</b>                                     |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| <b>Polyethylene Insulation • Polyethylene Jacket (Red, Yellow, Green, Light Blue, White, Orange and Black)</b> |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| 80°C   | <b>8281</b> |                                  | 500                 | 152   | 37.5                    | 17.0 | 0.81 mm  | 0.198   | 5.03 | Double Braid                      | 0.305      | 7.75  | 75                  | 66%                      | 21.0                   | 68.9 | 1                   | 0.3            | 1.0          |  |
|  |             |                                  | 1000                | 305   | 74.0                    | 33.6 | 20 AWG   |   |      | 98% TC                            |            |       |                     |                          |                        |      | 3.6                 | 0.5            | 1.6          |  |
|                             |             |                                  |                     |       |                         |      | Solid BC   |   |      | 3.6 Ω/km***                       |            |       |                     |                          |                        |      | 10                  | 0.8            | 2.6          |  |
|  |             |                                  |                     |       |                         |      | 36.1 Ω/km*                                       |   |      |                                   |            |       |                     |                          |                        |      | 71.5                | 2.1            | 6.9          |  |
| 0.8/5.0  |             |                                  |                     |       |                         |      | 32.5 Ω/km**                                      |   |      |                                   |            |       |                     |                          |                        |      | 135                 | 3.0            | 9.8          |  |
| RG-59/U Type   |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 270                 | 4.3            | 14.1         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 360                 | 5.1            | 16.7         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 540                 | 6.3            | 20.7         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 720                 | 7.4            | 24.3         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 750                 | 7.6            | 24.9         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 1000                | 9.2            | 30.2         |  |
| 152 m put-up not available in White.   |             |                                  |                     |       |                         |      |  | Nominal Delay: 5.053 ns/m<br>Pulling Tension: 515 N |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| <b>18 AWG • Solid 1.0 mm Bare Copper • Duofoil® • 60 % Tinned Copper Braid</b>                                 |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| <b>Gas-Injected Foam HDPE Insulation • Black PVC Jacket</b>  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| 30V RMS  | <b>9248</b> | NEC:                             | U-500               | U-152 | 16.5                    | 7.5  | 1.02 mm  | 0.180   | 4.57 | Duofoil®                          | 0.270      | 6.86  | 75                  | 82%                      | 16.2                   | 53.1 | 1                   | 0.3            | 1.0          |  |
| 80°C   |             | CM                               | 500                 | 152   | 15.0                    | 6.8  | 18 AWG   |   |      | + 60% TC                          |            |       |                     |                          |                        |      | 10                  | 0.7            | 2.3          |  |
| UL AWM Style 1354  |             | CEC:                             | U-1000              | U-305 | 32.0                    | 14.5 | Solid BC   |   |      | Braid                             |            |       |                     |                          |                        |      | 50                  | 1.5            | 4.9          |  |
|                             |             | CM                               | 1000                | 305   | 33.0                    | 15.0 | 39.4 Ω/km*                                       |   |      | 18.4 Ω/km***                      |            |       |                     |                          |                        |      | 100                 | 2.0            | 6.6          |  |
|  |             |                                  | 1640                | 500   | 55.8                    | 25.3 | 21.0 Ω/km**                                      |   |      |                                   |            |       |                     |                          |                        |      | 200                 | 2.8            | 9.2          |  |
| 1.0/4.6  |             |                                  | 3280                | 1000  | 108.2                   | 49.1 |  |   |      |                                   |            |       |                     |                          |                        |      | 400                 | 4.0            | 13.1         |  |
| RG-6   |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 700                 | 5.3            | 17.4         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 900                 | 6.1            | 20.0         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 1000                | 6.5            | 21.3         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 1500                | 8.3            | 27.2         |  |
|  |             |                                  |                     |       |                         |      |  | Nominal Delay: 4.068 ns/m<br>Pulling Tension: 195 N |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| <b>14 AWG • Solid 1.6 mm Bare Copper • Duofoil® • 60 % Tinned Copper Braid</b>                                 |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| <b>Gas-Injected Foam HDPE Insulation • Black PVC Jacket</b>  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |
| 80°C   | <b>9292</b> |                                  | 1000                | 305   | 75.0                    | 34.0 | 1.63 mm  | 0.280   | 7.11 | Duofoil®                          | 0.405      | 10.29 | 75                  | 84%                      | 16.1                   | 52.8 | 1                   | 0.2            | 0.6          |  |
|  |             |                                  |                     |       |                         |      | 14 AWG   |   |      | + 60% TC                          |            |       |                     |                          |                        |      | 10                  | 0.5            | 1.6          |  |
|                             |             |                                  |                     |       |                         |      | Solid BC   |   |      | Braid                             |            |       |                     |                          |                        |      | 50                  | 0.9            | 3.0          |  |
|  |             |                                  |                     |       |                         |      | 18.3 Ω/km*                                       |   |      | 9.8 Ω/km***                       |            |       |                     |                          |                        |      | 100                 | 1.3            | 4.3          |  |
| 1.6/7.2  |             |                                  |                     |       |                         |      | 8.5 Ω/km**                                       |   |      |                                   |            |       |                     |                          |                        |      | 200                 | 1.6            | 5.3          |  |
| RG-11  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 400                 | 2.3            | 7.5          |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 700                 | 3.3            | 10.8         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 900                 | 4.0            | 13.1         |  |
|  |             |                                  |                     |       |                         |      |  |   |      |                                   |            |       |                     |                          |                        |      | 1000                | 4.3            | 14.1         |  |
|  |             |                                  |                     |       |                         |      |  | Nominal Delay: 3.937 ns/m<br>Pulling Tension: 435 N |      |                                   |            |       |                     |                          |                        |      |                     |                |              |  |

\* DC loop resistance • \*\* DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • CCS = Copper-Covered Steel Duofoil® see technical information page 23.13.

**Security Coaxial Cables**

Surveillance and CCTV Applications



| De-<br>scription | Part<br>No. | UL NEC/<br>C(UL)CEC<br>Type IEC | Standard<br>Lengths |   | Standard<br>Unit Weight |    | Conductor<br>(Stranding)<br>Diameter<br>Nom. DCR | Nominal<br>Insulation OD |    | Shielding<br>Material<br>Nom. DCR | Nominal OD |    | Nom.<br>Imp.<br>( ) | Nom.<br>Vel. of<br>Prop. | Nominal<br>Capacitance |      | Nominal Attenuation |                |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|--------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|
|                  |             |                                 | ft.                 | m | lbs.                    | kg |  | inch                     | mm |                                   | inch       | mm |                     |                          | pF/ft.                 | pF/m | MHz                 | dB/<br>100 ft. |

**H109A** • Solid 1.0 mm Bare Copper • **Copper-foil** • 55 % Bare Copper Braid**5-Cell Gas-Injected Polyethylene Insulation • Black PVC Jacket**

|      |                |      |     |      |      |            |       |      |   |       |      |    |     |      |      |     |     |      |     |      |
|------|----------------|------|-----|------|------|------------|-------|------|---|-------|------|----|-----|------|------|-----|-----|------|-----|------|
| 80°C | <b>H109A00</b> | 328  | 100 | 10.4 | 4.7  | 1.0 mm     | 0.185 | 4.70 | Cu-foil<br>+ 55% BC<br>Braid<br>15.0 /km***<br>5.2 mm | 0.262 | 6.65 | 75 | 80% | 17.1 | 56.0 | 5   | 0.5 | 1.6  |     |      |
|      |                | 820  | 250 | 37.9 | 17.2 | Solid BC   |       | 50   |   |       |      |    |     |      |      | 1.4 | 4.6 |      |     |      |
|      |                | 1640 | 500 | 75.7 | 34.4 | 41.0 /km*  |       | 100  |   |       |      |    |     |      |      | 2.0 | 6.5 |      |     |      |
|      |                |      |     |      |      | 26.0 /km** |       | 230  |   |       |      |    |     |      |      | 3.0 | 9.8 |      |     |      |
|      |                |      |     |      |      |            |       |      |   |       |      |    |     |      |      | 400 | 4.5 | 14.8 |     |      |
|      |                |      |     |      |      |            |       |      |   |       |      |    |     |      |      |     |     | 800  | 5.9 | 19.2 |
|      |                |      |     |      |      |            |       |      |   |       |      |    |     |      |      |     |     | 860  | 5.9 | 19.5 |
|      |                |      |     |      |      |            |       |      |   |       |      |    |     |      |      |     |     | 1000 | 6.6 | 21.5 |



1.0/4.8

Return loss at 5-470 MHz: 23 dB  
470-862 MHz: 20 dB  
862-2150 MHz: 18 dB

Screening attenuation at 30-1000 MHz: 75 dB  
Transfer impedance at 5-30 MHz: 15.0 m /m  
Pulling Tension: 55 N

**H125A** • Solid 1.0 mm Bare Copper • **Duofoil®** • 40 % Tinned Copper Braid**Gas-Injected Polyethylene Insulation • PVC Jacket (Brown, Black and White)**

|      |                |      |     |      |      |            |       |      |  |       |      |    |     |      |      |     |     |      |     |      |
|------|----------------|------|-----|------|------|------------|-------|------|--|-------|------|----|-----|------|------|-----|-----|------|-----|------|
| 80°C | <b>H125A00</b> | 328  | 100 | 10.4 | 4.7  | 1.0 mm     | 0.189 | 4.80 | Duofoil®<br>+ 40% TC<br>Braid<br>27.0 /km*** | 0.268 | 6.80 | 75 | 81% | 16.8 | 55.0 | 5   | 0.5 | 1.8  |     |      |
|      |                | 820  | 250 | 26.0 | 11.8 | Solid BC   |       | 50   |  |       |      |    |     |      |      | 1.4 | 4.7 |      |     |      |
|      |                | 1640 | 500 | 51.8 | 23.5 | 50.0 /km*  |       | 100  |  |       |      |    |     |      |      | 2.0 | 6.5 |      |     |      |
|      |                |      |     |      |      | 23.0 /km** |       | 230  |  |       |      |    |     |      |      | 3.0 | 9.8 |      |     |      |
|      |                |      |     |      |      |            |       |      |  |       |      |    |     |      |      |     |     | 400  | 3.9 | 12.9 |
|      |                |      |     |      |      |            |       |      |  |       |      |    |     |      |      |     |     | 800  | 5.7 | 18.6 |
|      |                |      |     |      |      |            |       |      |  |       |      |    |     |      |      |     |     | 860  | 5.9 | 19.3 |
|      |                |      |     |      |      |            |       |      |  |       |      |    |     |      |      |     |     | 1000 | 6.4 | 20.9 |



1.0/4.8

Return loss at 5-470 MHz: 23 dB  
470-862 MHz: 20 dB  
862-2150 MHz: 18 dB

Screening attenuation at 30-1000 MHz: 75 dB  
Transfer impedance at 5-30 MHz: 40.0 m /m  
Pulling Tension: 55 N

**H121A** • Solid 0.8 mm Bare Copper • **Duofoil®** • 40 % Tinned Copper Braid**Gas-Injected Polyethylene Insulation • PVC Jacket (Brown, Black and White)**

|      |                |      |     |      |      |            |       |      |  |       |      |    |     |      |      |     |      |      |     |      |
|------|----------------|------|-----|------|------|------------|-------|------|--|-------|------|----|-----|------|------|-----|------|------|-----|------|
| 80°C | <b>H121A00</b> | 328  | 100 | 15.1 | 6.9  | 0.8 mm     | 0.138 | 3.50 | Duofoil®<br>+ 40% TC<br>Braid<br>40.0 /km***<br>4.1 mm | 0.197 | 5.00 | 75 | 82% | 16.5 | 54.0 | 5   | 0.5  | 1.7  |     |      |
|      |                | 820  | 250 | 37.9 | 17.2 | Solid BC   |       | 50   |  |       |      |    |     |      |      | 1.8 | 5.9  |      |     |      |
|      |                | 1640 | 500 | 75.7 | 34.4 | 75.0 /km*  |       | 100  |  |       |      |    |     |      |      | 2.0 | 8.1  |      |     |      |
|      |                |      |     |      |      | 35.0 /km** |       | 230  |  |       |      |    |     |      |      | 3.7 | 12.1 |      |     |      |
|      |                |      |     |      |      |            |       |      |  |       |      |    |     |      |      |     |      | 400  | 4.8 | 15.9 |
|      |                |      |     |      |      |            |       |      |  |       |      |    |     |      |      |     |      | 800  | 6.9 | 22.7 |
|      |                |      |     |      |      |            |       |      |  |       |      |    |     |      |      |     |      | 860  | 7.2 | 23.6 |
|      |                |      |     |      |      |            |       |      |  |       |      |    |     |      |      |     |      | 1000 | 7.8 | 25.6 |



1.0/4.8

Return loss at 5-470 MHz: 20 dB  
470-862 MHz: 18 dB  
862-2150 MHz: 16 dB

Screening attenuation at 30-1000 MHz: 75 dB  
Transfer impedance at 5-30 MHz: 40.0 m /m  
Pulling Tension: 55 N

\* DC loop resistance • \*\* DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper

Duofoil® see technical information page 23.13.



## Security Coaxial Cables





Surveillance and CCTV Applications

Shielded or Flooded for Use in Underground Ducts










| De-<br>scription | Part<br>No. | UL NEC/<br>C(UL)CEC<br>Type IEC | Standard<br>Lengths |   | Standard<br>Unit Weight |    | Conductor<br>(Stranding)<br>Diameter<br>Nom. DCR | Nominal<br>Insulation OD |    | Shielding<br>Material<br>Nom. DCR | Nominal OD |    | Nom.<br>Imp.<br>( ) | Nom.<br>Vel. of<br>Prop. | Nominal<br>Capacitance |      | Nominal Attenuation |                |              |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|--------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
|                  |             |                                 | ft.                 | m | lbs.                    | kg |  | inch                     | mm |                                   | inch       | mm |                     |                          | pF/ft.                 | pF/m | MHz                 | dB/<br>100 ft. | dB/<br>100 m |

### 20 AWG • Solid 0.8 mm Bare Copper • 95 % Bare Copper Braid





| Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket                           |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      |      |     |      |
|---|--------|---------|------|-----|------|------|--|-------|------|--------------------------------|-------|------|----|-----|------|------|------|-----|------|
| 70°C  | 443945 | IEC     | 328  | 100 | 10.6 | 4.8  | 0.81 mm<br>20 AWG<br>Solid BC<br>32.8 /km*<br>21.4 /km** | 0.145 | 3.68 | 95% BC<br>Braid<br>11.4 /km*** | 0.232 | 5.90 | 75 | 83% | 16.3 | 53.5 | 1    | 0.3 | 1.0  |
|   |        | 60754-2 | 1640 | 500 | 52.5 | 23.8 |  |       |      |                                |       |      |    |     |      |      | 5    | 0.7 | 2.1  |
|  |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 10   | 2.0 | 3.0  |
|   |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 50   | 1.9 | 6.2  |
|  |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 100  | 2.6 | 8.5  |
|   |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 200  | 3.6 | 11.8 |
|  |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 400  | 5.0 | 16.4 |
|   |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 700  | 7.0 | 23.0 |
|  |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 900  | 8.0 | 26.2 |
|   |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 1000 | 8.5 | 27.9 |
| Nominal Delay: 3.97 ns/m  |        |         |      |     |      |      |  |       |      | Pulling Tension: 218 N         |       |      |    |     |      |      |      |     |      |




### 18 AWG • Solid 1.0 mm Bare Copper • 95 % Bare Copper Braid

| Foam PE Insulation • PVC Jacket (White or Black)                                  |        |      |        |       |      |      |  |       |      |                                |       |      |    |     |      |      |        |      |      |
|---|--------|------|--------|-------|------|------|--|-------|------|--------------------------------|-------|------|----|-----|------|------|--------|------|------|
| 75°C  | 533945 | NEC: | 500    | 152   | 20.9 | 9.5  | 1.02 mm<br>18 AWG<br>Solid BC<br>20.9 /km*<br>10.8 /km** | 0.180 | 4.57 | 95% BC<br>Braid<br>10.1 /km*** | 0.266 | 6.76 | 75 | 83% | 16.3 | 53.5 | 1      | 0.2  | 0.7  |
|   |        | CM   | U-1000 | U-305 | 39.9 | 18.1 |  |       |      |                                |       |      |    |     |      |      | 5      | 0.5  | 1.5  |
|  |        |      |        |       |      |      |  |       |      |                                |       |      |    |     |      |      | 10     | 2.0  | 2.1  |
|   |        |      |        |       |      |      |  |       |      |                                |       |      |    |     |      |      | CEC:   | 1000 | 305  |
|  |        |      |        |       |      |      |  |       |      |                                |       |      |    |     |      |      | 100    | 2.1  | 6.9  |
|   |        |      |        |       |      |      |  |       |      |                                |       |      |    |     |      |      | CM FT1 |      |      |
|  |        |      |        |       |      |      |  |       |      |                                |       |      |    |     |      |      | 400    | 4.3  | 14.1 |
|   |        |      |        |       |      |      |  |       |      |                                |       |      |    |     |      |      | 700    | 5.8  | 19.0 |
|  |        |      |        |       |      |      |  |       |      |                                |       |      |    |     |      |      | 900    | 6.7  | 22.0 |
|   |        |      |        |       |      |      |  |       |      |                                |       |      |    |     |      |      | 1000   | 7.1  | 23.3 |
| Nominal Delay: 4.003 ns/m   |        |      |        |       |      |      |  |       |      | Pulling Tension: 507 N         |       |      |    |     |      |      |        |      |      |

| Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket                             |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      |           |     |      |
|---|--------|---------|------|-----|------|------|--|-------|------|--------------------------------|-------|------|----|-----|------|------|-----------|-----|------|
| 70°C  | 433945 | IEC     | 328  | 100 | 13.4 | 6.1  | 1.02 mm<br>18 AWG<br>Solid BC<br>20.9 /km*<br>10.8 /km** | 0.180 | 4.57 | 95% BC<br>Braid<br>10.1 /km*** | 0.266 | 6.75 | 75 | 83% | 16.3 | 53.5 | see above |     |      |
|   |        | 60754-2 | 1640 | 500 | 67.2 | 30.5 |  |       |      |                                |       |      |    |     |      |      | 50        | 1.5 | 4.8  |
|  |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 100       | 2.1 | 6.9  |
|   |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 200       | 3.0 | 9.8  |
|  |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 400       | 4.3 | 14.1 |
|   |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 700       | 5.8 | 19.0 |
|  |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 900       | 6.7 | 22.0 |
|   |        |         |      |     |      |      |  |       |      |                                |       |      |    |     |      |      | 1000      | 7.1 | 23.3 |
| Nominal Delay: 4.003 ns/m   |        |         |      |     |      |      |  |       |      | Pulling Tension: 507 N         |       |      |    |     |      |      |           |     |      |

### 14 AWG • Solid 1.6 mm Bare Copper • 95 % Bare Copper Braid

| Gas-Injected Foam PE Insulation • Black PVC Jacket                                  |        |      |      |     |      |      |  |       |      |                               |       |       |    |     |      |      |                          |        |      |
|---|--------|------|------|-----|------|------|--|-------|------|-------------------------------|-------|-------|----|-----|------|------|--------------------------|--------|------|
| 75°C  | 513945 | NEC: | 500  | 152 | 52.5 | 23.8 | 1.63 mm<br>14 AWG<br>Solid BC<br>8.5 /km*<br>4.6 /km** | 0.280 | 7.11 | 95% BC<br>Braid<br>3.9 /km*** | 0.405 | 10.29 | 75 | 84% | 16.1 | 52.8 | 1                        | 0.2    | 0.6  |
|   |        | CM   | 1000 | 305 | 98.1 | 44.5 |  |       |      |                               |       |       |    |     |      |      | 10                       | 0.4    | 1.1  |
|  |        |      |      |     |      |      |  |       |      |                               |       |       |    |     |      |      | 50                       | 0.9    | 3.0  |
|   |        |      |      |     |      |      |  |       |      |                               |       |       |    |     |      |      | CEC:                     | CM FT1 |      |
|  |        |      |      |     |      |      |  |       |      |                               |       |       |    |     |      |      | 200                      | 1.9    | 6.2  |
|   |        |      |      |     |      |      |  |       |      |                               |       |       |    |     |      |      | 400                      | 2.9    | 9.5  |
|  |        |      |      |     |      |      |  |       |      |                               |       |       |    |     |      |      | 700                      | 4.1    | 13.5 |
|   |        |      |      |     |      |      |  |       |      |                               |       |       |    |     |      |      | 900                      | 4.8    | 15.7 |
|  |        |      |      |     |      |      |  |       |      |                               |       |       |    |     |      |      | 1000                     | 5.2    | 17.1 |
|   |        |      |      |     |      |      |  |       |      |                               |       |       |    |     |      |      | Nominal Delay: 3.97 ns/m |        |      |

| Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket                             |        |         |      |     |       |      |  |       |      |                               |       |       |    |     |      |      |           |     |      |
|---|--------|---------|------|-----|-------|------|--|-------|------|-------------------------------|-------|-------|----|-----|------|------|-----------|-----|------|
| 70°C  | 413945 | IEC     | 500  | 152 | 100.0 | 14.5 | 1.63 mm<br>14 AWG<br>Solid BC<br>8.5 /km*<br>4.6 /km** | 0.280 | 7.11 | 95% BC<br>Braid<br>3.9 /km*** | 0.406 | 10.30 | 75 | 84% | 16.1 | 52.8 | see above |     |      |
|   |        | 60754-2 | 1640 | 500 | 159.4 | 72.3 |  |       |      |                               |       |       |    |     |      |      | 50        | 0.9 | 3.0  |
|  |        |         |      |     |       |      |  |       |      |                               |       |       |    |     |      |      | 100       | 1.3 | 4.3  |
|   |        |         |      |     |       |      |  |       |      |                               |       |       |    |     |      |      | 200       | 1.9 | 6.2  |
|  |        |         |      |     |       |      |  |       |      |                               |       |       |    |     |      |      | 400       | 2.9 | 9.5  |
|   |        |         |      |     |       |      |  |       |      |                               |       |       |    |     |      |      | 700       | 4.1 | 13.5 |
|  |        |         |      |     |       |      |  |       |      |                               |       |       |    |     |      |      | 900       | 4.8 | 15.7 |
|   |        |         |      |     |       |      |  |       |      |                               |       |       |    |     |      |      | 1000      | 5.2 | 17.1 |
| Nominal Delay: 3.97 ns/m  |        |         |      |     |       |      |  |       |      | Pulling Tension: 640 N        |       |       |    |     |      |      |           |     |      |

\*DC loop resistance • \*\*DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper

## Security Coaxial Cables

Water-Blocked for Use in Underground Ducts



| De-<br>scription | Part<br>No. | UL NEC/<br>C(UL)/CEC<br>Type IEC | Standard<br>Lengths |   | Standard<br>Unit Weight |    | Conductor<br>(Stranding)<br>Diameter<br>Nom. DCR | Nominal<br>Insulation OD |    | Shielding<br>Material<br>Nom. DCR | Nominal OD |    | Nom.<br>Imp.<br>( ) | Nom.<br>Vel. of<br>Prop. | Nominal<br>Capacitance |      | Nominal Attenuation |                |              |
|------------------|-------------|----------------------------------|---------------------|---|-------------------------|----|--|--------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
|                  |             |                                  | ft.                 | m | lbs.                    | kg |  | inch                     | mm |                                   | inch       | mm |                     |                          | pF/ft.                 | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100 m |

**20 AWG • Solid 0.8 mm Bare Copper • Duobond® II • 95 % Tinned Copper Braid • CoreGuard®**

| Gas-Injected Foam PE Insulation • Black UV-Resistant PVC Jacket |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |     |      |     |      |
|---|--------|--------|--------------------------|-------|------|------|-------------------------|-------|------|--|-------|------|----|-----|------|------|-----|------|-----|------|
| 75°C  | 5439W5 | NEC:   | U-500                    | U-152 | 17.4 | 7.9  | 0.81 mm                 | 0.145 | 3.68 | Duobond® II<br>+ 95% TC<br>Braid<br>8.2 /km*** | 0.236 | 5.99 | 75 | 83% | 16.3 | 53.5 | 1   | 0.3  | 1.0 |      |
|   |        | CM     | 500                      | 152   | 17.4 | 7.9  | 20 AWG                  | 5     | 0.6  |  |       |      |    |     |      |      | 2.1 |      |     |      |
|   |        | CEC:   | U-1000                   | U-305 | 34.0 | 15.4 | Solid BC                | 10    | 2.0  |  |       |      |    |     |      |      | 2.9 |      |     |      |
|   |        | CM FT1 | 1000                     | 305   | 34.0 | 15.4 | 32.8 /km*<br>24.6 /km** | 50    | 1.7  |  |       |      |    |     |      |      | 5.6 |      |     |      |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      | 100 | 2.3  | 7.5 |      |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |     | 200  | 3.4 | 11.2 |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |     | 400  | 4.7 | 15.4 |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |     | 700  | 6.3 | 20.7 |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |     | 900  | 7.3 | 24.0 |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |     | 1000 | 7.8 | 25.6 |
| RG-59   |        |        | Nominal Delay: 3.97 ns/m |       |      |      | Pulling Tension: 253 N  |       |      |  |       |      |    |     |      |      |     |      |     |      |

**18 AWG • Solid 1.0 mm Bare Copper • Duofoil® • 60 % Aluminum Braid • CoreGuard®**

| Gas-Injected Foam PE Insulation • Black UV-Resistant PVC Jacket |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |      |      |     |      |
|---|--------|--------|--------------------------|-------|------|------|-------------------------|-------|------|--|-------|------|----|-----|------|------|------|------|-----|------|
| 75°C  | 5339W5 | NEC:   | U-500                    | U-152 | 15.4 | 7.0  | 1.02 mm                 | 0.180 | 4.57 | Duofoil®<br>+ 60% AL<br>Braid<br>10.1 /km*** | 0.270 | 6.86 | 75 | 83% | 16.3 | 53.5 | 4    | 0.6  | 2.0 |      |
|   |        | CM     | 500                      | 152   | 15.4 | 7.0  | 18 AWG                  | 30    | 1.3  |  |       |      |    |     |      |      | 4.4  |      |     |      |
|   |        | CEC:   | U-1000                   | U-305 | 30.0 | 13.6 | Solid BC                | 211   | 2.0  |  |       |      |    |     |      |      | 10.1 |      |     |      |
|   |        | CM FT1 | 1000                     | 305   | 30.0 | 13.6 | 20.9 /km*<br>10.8 /km** | 270   | 3.5  |  |       |      |    |     |      |      | 11.5 |      |     |      |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |      | 300  | 3.7 | 12.1 |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |      | 330  | 3.9 | 12.8 |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |      | 400  | 4.3 | 14.1 |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |      | 450  | 4.6 | 15.0 |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |      | 550  | 5.1 | 16.7 |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |      | 750  | 6.0 | 19.7 |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |      | 870  | 6.5 | 21.3 |
|   |        |        |                          |       |      |      |                         |       |      |  |       |      |    |     |      |      |      | 1000 | 7.0 | 23.0 |
| RG-6  |        |        | Nominal Delay: 3.97 ns/m |       |      |      | Pulling Tension: 302 N  |       |      |  |       |      |    |     |      |      |      |      |     |      |

\*DC loop resistance • \*\*DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • AL = Aluminum

Duofoil® and Duobond® II see technical information page 23.13.

### Security Coaxial Cables

CATV and MATV Applications Commercial or Schlage Systems



| De-scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths |   | Standard Unit Weight |    | Conductor (Stranding) Diameter Nom. DCR | Nominal Insulation OD |    | Shielding Material Nom. DCR | Nominal OD |    | Nom. Imp. ( ) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |             |           |
|--------------|----------|---------------------------|------------------|---|----------------------|----|---|-----------------------|----|-----------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|-------------|-----------|
|              |          |                           | ft.              | m | lbs.                 | kg |   | inch                  | mm |                             | inch       | mm |               |                    | pF/ft.              | pF/m | MHz                 | dB/ 100 ft. | dB/ 100 m |

**18 AWG • Solid 1.0 mm Bare Copper • Duofoil® • 60% Aluminum Braid**

| Gas-Injected Foam PE Insulation • PVC Jacket (White or Black) |        |        |        |       |      |      |            |       |      |                         |       |      |    |     |      |      |             |     |      |  |  |  |  |    |     |     |      |
|---|--------|--------|--------|-------|------|------|------------|-------|------|-------------------------|-------|------|----|-----|------|------|-------------|-----|------|--|--|--|--|----|-----|-----|------|
| 75°C  | 5339B5 | NEC:   | U-500  | U-152 | 17.4 | 7.9  | 1.02 mm    | 0.180 | 4.57 | Duofoil® + 60% AL Braid | 0.266 | 6.76 | 75 | 83% | 16.3 | 53.5 | 5           | 0.8 | 2.7  |  |  |  |  |    |     |     |      |
|   |        | CM:    | 500    | 152   | 15.4 | 7.0  | 18 AWG     |       |      |                         |       |      |    |     |      |      |             |     |      |  |  |  |  | 55 | 1.6 | 5.3 |      |
|   |        | CEC:   | U-1000 | U-305 | 34.0 | 15.4 | Solid BC   |       |      |                         |       |      |    |     |      |      |             |     |      |  |  |  |  |    | 211 | 2.0 | 10.1 |
|   |        | CM FT1 | 1000   | 305   | 35.1 | 15.9 | 20.9 /km*  |       |      |                         |       |      |    |     |      |      | 10.1 /km*** |     |      |  |  |  |  |    | 270 | 3.5 | 11.5 |
|   |        |        |        |       |      |      | 10.8 /km** |       |      |                         |       |      |    |     |      |      |             |     |      |  |  |  |  |    | 300 | 3.7 | 12.1 |
|   |        |        |        |       |      |      |            |       |      |                         |       |      |    |     |      |      | 330         | 3.9 | 12.8 |  |  |  |  |    |     |     |      |
|   |        |        |        |       |      |      |            |       |      |                         |       |      |    |     |      |      | 400         | 4.3 | 14.1 |  |  |  |  |    |     |     |      |
|   |        |        |        |       |      |      |            |       |      |                         |       |      |    |     |      |      | 450         | 4.6 | 15.0 |  |  |  |  |    |     |     |      |
|   |        |        |        |       |      |      |            |       |      |                         |       |      |    |     |      |      | 550         | 5.1 | 16.7 |  |  |  |  |    |     |     |      |
|   |        |        |        |       |      |      |            |       |      |                         |       |      |    |     |      |      | 750         | 6.0 | 19.7 |  |  |  |  |    |     |     |      |
|   |        |        |        |       |      |      |            |       |      |                         |       |      |    |     |      |      | 870         | 6.5 | 21.3 |  |  |  |  |    |     |     |      |
|   |        |        |        |       |      |      |            |       |      |                         |       |      |    |     |      |      | 1000        | 7.0 | 23.0 |  |  |  |  |    |     |     |      |



Series 6  
RG-6

Also available in White.

Nominal Delay: 3.97 ns/m  
Pulling Tension: 302 N

**Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket**

|      |        |           |      |     |      |      |            |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |  |
|------|--------|-----------|------|-----|------|------|------------|-------|------|-------------------------|-------|------|----|-----|------|------|-------------|--|--|--|--|--|--|--|--|--|
| 70°C | 4339B5 | IEC:      | 328  | 100 | 11.9 | 5.4  | 1.02 mm    | 0.180 | 4.57 | Duofoil® + 63% BC Braid | 0.272 | 6.90 | 75 | 83% | 16.3 | 53.5 | see above   |  |  |  |  |  |  |  |  |  |
|      |        | 60754-2   | 1640 | 500 | 59.3 | 26.9 | 18 AWG     |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |  |
|      |        | IEC 332-1 |      |     |      |      | Solid BC   |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |  |
|      |        |           |      |     |      |      | 20.9 /km*  |       |      |                         |       |      |    |     |      |      | 10.1 /km*** |  |  |  |  |  |  |  |  |  |
|      |        |           |      |     |      |      | 10.8 /km** |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |  |



Series 6  
RG-6

Nominal Delay: 3.97 ns/m  
Pulling Tension: 302 N

**18 AWG • Solid 1.0 mm Bare Copper • Quad Shield**

| Gas-Injected Foam PE Insulation • PVC Jacket (White or Black) |        |        |        |       |      |      |            |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |  |
|---|--------|--------|--------|-------|------|------|------------|-------|------|-------------------------|-------|------|----|-----|------|------|-------------|--|--|--|--|--|--|--|--|--|
| 75°C  | 5339Q5 | NEC:   | 500    | 152   | 19.0 | 8.6  | 1.02 mm    | 0.180 | 4.57 | Duofoil® + 60% AL Braid | 0.298 | 7.57 | 75 | 83% | 16.3 | 53.5 | see above   |  |  |  |  |  |  |  |  |  |
|   |        | CM:    | U-1000 | U-305 | 35.9 | 16.3 | 18 AWG     |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |  |
|   |        | CEC:   | 1000   | 305   | 35.9 | 16.3 | Solid BC   |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |  |
|   |        | CM FT1 |        |       |      |      | 20.9 /km*  |       |      |                         |       |      |    |     |      |      | 10.1 /km*** |  |  |  |  |  |  |  |  |  |
|   |        |        |        |       |      |      | 10.8 /km** |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |  |



Series 6  
RG-6

Nominal Delay: 3.97 ns/m  
Pulling Tension: 462 N

**Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket**

|      |        |           |      |     |      |      |            |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |
|------|--------|-----------|------|-----|------|------|------------|-------|------|-------------------------|-------|------|----|-----|------|------|-------------|--|--|--|--|--|--|--|--|
| 70°C | 4339Q5 | IEC:      | 328  | 100 | 12.3 | 5.6  | 1.02 mm    | 0.180 | 4.57 | Duofoil® + 60% AL Braid | 0.299 | 7.60 | 75 | 83% | 16.3 | 53.5 | see above   |  |  |  |  |  |  |  |  |
|      |        | 60754-2   | 1640 | 500 | 62.6 | 28.4 | 18 AWG     |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |
|      |        | IEC 332-1 |      |     |      |      | Solid BC   |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |
|      |        |           |      |     |      |      | 20.9 /km*  |       |      |                         |       |      |    |     |      |      | 10.1 /km*** |  |  |  |  |  |  |  |  |
|      |        |           |      |     |      |      | 10.8 /km** |       |      |                         |       |      |    |     |      |      |             |  |  |  |  |  |  |  |  |



Series 6  
RG-6

Nominal Delay: 3.97 ns/m  
Pulling Tension: 462 N

**18 AWG • Solid 1.0 mm Bare Copper • Duobond® (Schlage Systems) • 60% Aluminum Braid**

| Foam PE Insulation • Black PVC Jacket |        |        |        |       |      |      |            |       |      |                         |       |      |    |     |      |      |             |     |     |  |  |  |  |  |  |    |     |     |
|---------------------------------------|--------|--------|--------|-------|------|------|------------|-------|------|-------------------------|-------|------|----|-----|------|------|-------------|-----|-----|--|--|--|--|--|--|----|-----|-----|
| 75°C                                  | 5399B5 | NEC:   | U-1000 | U-305 | 28.0 | 12.7 | 1.02 mm    | 0.180 | 4.57 | Duobond® + 60% AL Braid | 0.270 | 6.86 | 75 | 83% | 16.3 | 53.5 | 4           | 0.6 | 2.0 |  |  |  |  |  |  |    |     |     |
|                                       |        | CM:    | 1000   | 305   | 29.1 | 13.2 | 18 AWG     |       |      |                         |       |      |    |     |      |      |             |     |     |  |  |  |  |  |  | 30 | 1.3 | 4.4 |
|                                       |        | CEC:   |        |       |      |      | Solid BC   |       |      |                         |       |      |    |     |      |      |             |     |     |  |  |  |  |  |  |    |     |     |
|                                       |        | CM FT1 |        |       |      |      | 20.9 /km*  |       |      |                         |       |      |    |     |      |      | 10.1 /km*** |     |     |  |  |  |  |  |  |    |     |     |
|                                       |        |        |        |       |      |      | 10.8 /km** |       |      |                         |       |      |    |     |      |      |             |     |     |  |  |  |  |  |  |    |     |     |



Series 6  
RG-6

Nominal Delay: 3.97 ns/m  
Pulling Tension: 302 N

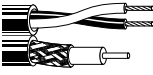
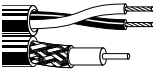
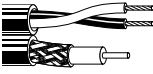
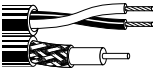
\*DC loop resistance • \*\*DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • AL = Aluminum

Quad Shield = Duofoil Tape + 60% Aluminum Braid + Duofoil Tape + 40% Aluminum Braid  
Duofoil® and Duobond® see technical information page 23.13.

### Security Composite Cables

CCTV Plus Audio or Pan and Tilt CCTV Control Applications



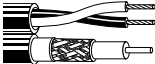
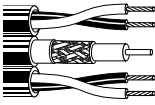

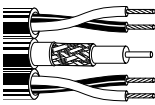
| De-scription  | Part No.      | UL NEC / C(UL)/CEC Type IEC  | Standard Lengths |            | Standard Unit Weight |              | Shielding Material | Nominal OD |       | Component | Description                              | Shielding Material & Nom. DCR | Insulation Material & Colors | Component Jacket Material & Colors | Component OD |       |      |
|---|---------------|------------------------------|------------------|------------|----------------------|--------------|--------------------|------------|-------|-----------|--|-------------------------------|------------------------------|------------------------------------|--------------|-------|------|
|   |               |                              | ft.              | m          | lbs.                 | kg           |                    | inch       | mm    |           |  |                               |                              |                                    | inch         | mm    |      |
| Composite • <b>(1) Pair Unshielded</b> 18 AWG • <b>(1) Coax</b> Solid 0.8 mm Bare Copper • 95 % Bare Copper Braid |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| <b>PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket</b>   |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| 300V<br>75°C  | <b>549945</b> | NEC:<br>CM<br>CEC:<br>CM FT1 | 500<br>1000      | 152<br>305 | 30.0<br>60.2         | 13.6<br>27.3 | Unshielded         | 0.460      | 11.68 | 2xData    | 1-Pair<br>18 AWG<br>1.22 mm<br>(7x26) BC | Unshielded                    | PVC<br>1.47 mm               | PVC<br>Black                       | 0.228        | 5.79  |      |
|                                  |               |                              |                  |            |                      |              |                    |            |       |           | 1xCoax                                   | 20 AWG<br>0.8 mm<br>Solid BC  | 95% BC                       | Foam<br>Polyolefin                 | PVC<br>Black | 0.232 | 5.89 |
| RG-59   |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| Color Code 1-Pair: Black and Red  |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| <b>PVC Insulation (Pairs) • Foam Insulation (Coax) • Grey FRNC/LSNH Jacket</b>                                    |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| 300V<br>70°C  | <b>449945</b> | IEC<br>60754-2               | 328<br>1640      | 100<br>500 | 19.8<br>98.8         | 9.0<br>44.8  | Unshielded         | 0.461      | 11.70 | 2xData    | 1-Pair<br>18 AWG<br>1.22 mm<br>(7x26) BC | Unshielded                    | PE<br>1.47 mm                | FRNC<br>Grey                       | 0.228        | 5.79  |      |
|                                  |               |                              |                  |            |                      |              |                    |            |       |           | 1xCoax                                   | 20 AWG<br>0.8 mm<br>Solid BC  | 95% BC                       | Foam<br>PE                         | FRNC<br>Grey | 0.232 | 5.90 |
| RG-59   |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| Color Code 1-Pair: Black and Red  |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| Composite • <b>(1) Pair Unshielded</b> 18 AWG • <b>(1) Coax</b> Solid 1.0 mm Bare Copper • 95 % Bare Copper Braid |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| <b>PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket</b>   |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| 300V<br>75°C  | <b>539945</b> | NEC:<br>CM<br>CEC:<br>CM FT1 | 500<br>1000      | 152<br>305 | 34.2<br>69.0         | 15.5<br>31.3 | Unshielded         | 0.500      | 12.70 | 2xData    | 1-Pair<br>18 AWG<br>1.22 mm<br>(7x26) BC | Unshielded                    | PVC<br>1.47 mm               | PVC<br>Black                       | 0.228        | 5.79  |      |
|                                |               |                              |                  |            |                      |              |                    |            |       |           | 1xCoax                                   | 18 AWG<br>1.0 mm<br>Solid BC  | 95% BC                       | Foam<br>Polyolefin                 | PVC<br>Black | 0.266 | 6.76 |
| RG-6<br>Kötter approved   |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| Color Code 1-Pair: Black and Red  |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| <b>PVC Insulation (Pairs) • Foam Insulation (Coax) • Grey FRNC/LSNH Jacket</b>                                    |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| 300V<br>70°C  | <b>439945</b> | IEC<br>60754-2               | 328<br>1640      | 100<br>500 | 22.9<br>114.9        | 10.4<br>52.1 | Unshielded         | 0.500      | 12.70 | 2xData    | 1-Pair<br>18 AWG<br>1.22 mm<br>(7x26) BC | Unshielded                    | PE<br>1.47 mm                | FRNC<br>Grey                       | 0.228        | 5.79  |      |
|                                |               |                              |                  |            |                      |              |                    |            |       |           | 1xCoax                                   | 18 AWG<br>1.0 mm<br>Solid BC  | 95% BC                       | Foam<br>PE                         | FRNC<br>Grey | 0.268 | 6.80 |
| RG-6<br>Kötter approved   |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |
| Color Code 1-Pair: Black and Red  |               |                              |                  |            |                      |              |                    |            |       |           |  |                               |                              |                                    |              |       |      |

BC = Bare Copper • DCR = DC resistance

**Security Composite Cables**

CCTV Plus Audio or Pan and Tilt CCTV Control Applications



| De-<br>scription   | Part<br>No. | UL NEC/<br>C(UL)CEC<br>Type IEC | Standard<br>Lengths |     | Standard<br>Unit Weight |      | Shielding<br>Material | Nominal OD |      | Compo-<br>nent | Description                                       | Shielding<br>Material<br>& Nom.<br>DCR | Insulation<br>Material &<br>Colors | Component<br>Jacket<br>Material &<br>Colors | Component<br>Insulation OD |      |
|--|-------------|---------------------------------|---------------------|-----|-------------------------|------|-----------------------|------------|------|----------------|---|--|------------------------------------|---|----------------------------|------|
|  |             |                                 | ft.                 | m   | lbs.                    | kg   |                       | inch       | mm   |                |   |  |                                    |   | inch                       | mm   |
| Composite • <b>(2) Conductor</b> 26 AWG • <b>(1) Coax</b> Solid 0.4 mm Bare Copper • Alu Triplex/Duplex • 72% Tinned Copper Braid                      |             |                                 |                     |     |                         |      |                       |            |      |                |   |  |                                    |   |                            |      |
| <b>PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket</b>   |             |                                 |                     |     |                         |      |                       |            |      |                |   |  |                                    |   |                            |      |
|  | SEC0001     |                                 | 328                 | 100 | 11.7                    | 5.3  | Unshielded            | 0.252      | 6.40 | 1xData         | 2 Conductor<br>26 AWG<br>0.50 mm<br>(16x0.193) BC | Unshielded                             | PVC<br>1.90 mm                     | PVC   | 0.062                      | 1.57 |
|   |             |                                 |                     |     |                         |      |                       |            |      | 1xCoax         | 21 AWG<br>0.41 mm<br>Solid BC                     | Alu<br>Triplex/Duplex<br>72% TC Braid  | Foam<br>Polyethylene               | PVC   | 0.142                      | 3.60 |
| Composite • <b>(2) Conductor</b> 16 AWG • <b>(1) Coax</b> Solid 0.8 mm BC • Alu Triplex/Duplex • 55% Tinned Copper Braid • <b>(2) Conductor</b> 26 AWG |             |                                 |                     |     |                         |      |                       |            |      |                |   |  |                                    |   |                            |      |
| <b>PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket</b>   |             |                                 |                     |     |                         |      |                       |            |      |                |   |  |                                    |   |                            |      |
|  | SEC0002     |                                 | 328                 | 100 | 29.8                    | 13.5 | Unshielded            | 0.315      | 8.00 | 1xData         | 2 Conductor<br>16 AWG<br>1.50 mm<br>(30x0.25) BC  | Unshielded                             | PE<br>3.50 mm                      | PVC   | 0.101                      | 2.56 |
|   |             |                                 |                     |     |                         |      |                       |            |      | 1xCoax         | 20 AWG<br>0.81 mm<br>Solid BC                     | Alu<br>Triplex/Duplex<br>55% TC Braid  | Foam<br>Polyethylene               | PVC   | 0.142                      | 3.60 |
|  |             |                                 |                     |     |                         |      |                       |            |      | 1xControl      | 2 Conductor<br>26 AWG<br>0.50 mm<br>(16x0.20) BC  | Unshielded                             | PE<br>3.50 mm                      | PVC   | 0.062                      | 1.57 |
| Composite • <b>(2) Conductor</b> 20 AWG • <b>(1) Coax</b> Solid 0.4 mm Bare Copper • Alu Triplex/Duplex • 72% Tinned Copper Braid                      |             |                                 |                     |     |                         |      |                       |            |      |                |   |  |                                    |   |                            |      |
| <b>PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket</b>   |             |                                 |                     |     |                         |      |                       |            |      |                |   |  |                                    |   |                            |      |
|  | SEC0003     |                                 | 328                 | 100 | 14.8                    | 6.7  | Unshielded            | 0.291      | 7.40 | 1xData         | 2 Conductor<br>20 AWG<br>1.00 mm<br>(32x0.20) BC  | Unshielded                             | PVC<br>1.90 mm                     | PVC   | 0.085                      | 2.17 |
|   |             |                                 |                     |     |                         |      |                       |            |      | 1xCoax         | 26 AWG<br>0.41 mm<br>Solid BC                     | Alu<br>Triplex/Duplex<br>72% TC Braid  | Foam<br>Polyethylene               | PVC   | 0.142                      | 3.60 |
| Composite • <b>(2) Conductor</b> 24 AWG • <b>(1) Coax</b> Solid 0.4 mm BC • Alu Triplex/Duplex • 72% Tinned Copper Braid • <b>(2) Conductor</b> 26 AWG |             |                                 |                     |     |                         |      |                       |            |      |                |   |  |                                    |   |                            |      |
| <b>PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket</b>   |             |                                 |                     |     |                         |      |                       |            |      |                |   |  |                                    |   |                            |      |
|  | SEC0004     |                                 | 328                 | 100 | 13.4                    | 6.1  | Unshielded            | 0.260      | 6.60 | 1xData         | 2 Conductor<br>24 AWG<br>0.22 mm<br>(30x0.25) BC  | Unshielded                             | PVC<br>1.90 mm                     | PVC   | 0.045                      | 1.15 |
|   |             |                                 |                     |     |                         |      |                       |            |      | 1xCoax         | 26 AWG<br>0.41 mm<br>Solid BC                     | Alu<br>Triplex/Duplex<br>72% TC Braid  | Foam<br>Polyethylene               | PVC   | 0.142                      | 3.60 |
|  |             |                                 |                     |     |                         |      |                       |            |      | 1xControl      | 2 Conductor<br>26 AWG<br>0.50 mm<br>(16x0.20) BC  | Unshielded                             | PE<br>3.50 mm                      | PVC   | 0.062                      | 1.57 |

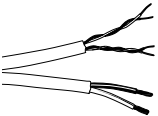
TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance



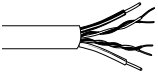
## Security Composite Cables

## CCTV PTZ Camera Cable

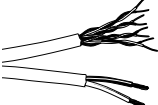


| De-<br>scription  | Part<br>No. | UL NEC/<br>C(UL)/CEC<br>Type IEC | Standard<br>Lengths |     | Standard<br>Unit Weight |      | Shielding<br>Material | Nominal OD |       | Compo-<br>nent | Description                                 | Shielding<br>Material<br>& Nom.<br>DCR         | Insulation<br>Material &<br>Colors | Component<br>Jacket<br>Material<br>& Colors | Component OD |       |      |
|---|-------------|----------------------------------|---------------------|-----|-------------------------|------|-----------------------|------------|-------|----------------|---|--|------------------------------------|---|--------------|-------|------|
|   |             |                                  | ft.                 | m   | lbs.                    | kg   |                       | inch       | mm    |                |   |  |                                    |   | inch         | mm    |      |
| Composite • (1) 2-Pair UTP 24 AWG • (2) 16 AWG (19x29) 1.47 mm Tinned Copper Conductors   |             |                                  |                     |     |                         |      |                       |            |       |                |   |  |                                    |   |              |       |      |
| Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • PVC Jacket (White or Black) |             |                                  |                     |     |                         |      |                       |            |       |                |   |  |                                    |   |              |       |      |
|          | 5284US      | NEC:                             | 500                 | 152 | 25.5                    | 11.6 | Unshielded            | 0.426      | 10.80 | 1xData         | 2-Pair UTP<br>24 AWG<br>0.50 mm<br>Solid BC | Unshielded                                     | Polyolefin                         | F-R PVC                                     | 0.200        | 5.08  |      |
|   |             | CMR:                             | 1000                | 305 | 44.0                    | 20.0 |                       |            |       |                |   |  |                                    |   |              |       |      |
|   |             |                                  |                     |     |                         |      |                       |            |       |                | 2xPower                                     | 2-Conductor<br>16 AWG<br>1.47 mm<br>(19x29) TC | Unshielded                         | PVC<br>2.03 mm                              | PVC          | 0.226 | 5.74 |
| Jacket sequentially marked.   |             |                                  |                     |     |                         |      |                       |            |       |                |   |  |                                    |   |              |       |      |

Composite • (1) 2-Pair UTP 23 AWG • (2) 16 AWG (19x29) 1.47 mm Tinned Copper Conductors

| Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • PVC Jacket (White or Black) |        |      |      |     |      |      |            |       |      |        |   |  |                       |               |   |   |   |
|---|--------|------|------|-----|------|------|------------|-------|------|--------|---|--|-----------------------|---------------|---|---|---|
|          | 5284UE | NEC: | 500  | 152 | 22.5 | 10.2 | Unshielded | 0.233 | 5.92 | 1xData | 2-Pair UTP<br>23 AWG<br>0.60 mm<br>Solid BC | Unshielded                                     | Polyolefin<br>1.01 mm | -             | - | - |   |
|   |        | CMR: | 1000 | 305 | 44.0 | 20.0 |            |       |      |        |   |  |                       |               |   |   |   |
|   |        |      |      |     |      |      |            |       |      |        | 2xPower                                     | 2-Conductor<br>16 AWG<br>1.47 mm<br>(19x29) TC | Unshielded            | PP<br>1.96 mm | - | - | - |
| Jacket sequentially marked.   |        |      |      |     |      |      |            |       |      |        |   |  |                       |               |   |   |   |

Composite • (1) Cat 5e 4-Bonded-Pair UTP 24 AWG • (2) 16 AWG (19x29) 1.47 mm Tinned Copper Conductors

| Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • PVC Jacket (White or Black) |        |      |      |     |      |      |            |       |       |        |   |  |            |                |       |       |      |
|---|--------|------|------|-----|------|------|------------|-------|-------|--------|---|--|------------|----------------|-------|-------|------|
|        | 5288US | NEC: | 500  | 152 | 27.5 | 12.5 | Unshielded | 0.424 | 10.80 | 1xData | 4-Pair UTP<br>24 AWG<br>0.50 mm<br>Solid BC | Unshielded                                     | Polyolefin | F-R PVC        | 0.198 | 5.03  |      |
|   |        | CMR: | 1000 | 305 | 52.0 | 23.6 |            |       |       |        |   |  |            |                |       |       |      |
|   |        |      |      |     |      |      |            |       |       |        | 2xPower                                     | 2-Conductor<br>16 AWG<br>1.47 mm<br>(19x29) TC | Unshielded | PVC<br>2.03 mm | PVC   | 0.226 | 5.74 |
| Jacket sequentially marked.   |        |      |      |     |      |      |            |       |       |        |   |  |            |                |       |       |      |

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

## Color Code

| Pair No. | Color                       |
|----------|-----------------------------|
| 1        | White/Blue Stripe, Blue     |
| 2        | White/Orange Stripe, Orange |
| 3        | White/Green Stripe, Green   |
| 4        | White/Brown Stripe, Brown   |

**Security Composite Cables**  
CCTV Fixed and PTZ Camera Cable



| De-<br>scription   | Part<br>No. | UL NEC/<br>C(UL)CEC<br>Type IEC | Standard<br>Lengths |       | Standard<br>Unit Weight |      | Conductor<br>(Stranding)<br>Diameter<br>Nom. DCR | Nominal<br>Insulation OD |      | Shielding<br>Material<br>Nom. DCR                                      | Nominal OD |      | Freq.<br>MHz | Max.<br>Atten.<br>dB/100m | Min. PSUM  |                |                   | ACR<br>dB/100m | Min.<br>RL<br>dB |      |      |
|--|-------------|---------------------------------|---------------------|-------|-------------------------|------|--|--------------------------|------|--|------------|------|--------------|---------------------------|------------|----------------|-------------------|----------------|------------------|------|------|
|  |             |                                 | ft.                 | m     | lbs.                    | kg   |  | inch                     | mm   |  | inch       | mm   |              |                           | NEXT<br>dB | ACR<br>dB/100m | ELFEXT<br>dB/100m |                |                  |      |      |
| <b>DataTwist® Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper Conductors • Rip Cord</b> |             |                                 |                     |       |                         |      |  |                          |      |  |            |      |              |                           |            |                |                   |                |                  |      |      |
| <b>Polyolefin Insulation • Flexible Matte Black PVC Jacket • Category 5e</b>       |             |                                 |                     |       |                         |      |  |                          |      |  |            |      |              |                           |            |                |                   |                |                  |      |      |
| <br>Rip Cord<br><br>4-Pair   | 1583E       |                                 | B-328               | B-100 | 6.1                     | 2.8  | 0.51 mm<br>24 AWG<br>Solid BC                    | 0.035                    | 0.90 | Non-<br>Bonded-Pair<br>Unshielded<br>U/UTP                             | 0.197      | 5.00 | 1            | 2.1                       | 62.0       | 60.2           | 61.0              | 63.2           | 20.0             |      |      |
|  |             |                                 | U-1000              | U-305 | 18.7                    | 8.5  |  |                          |      |  |            |      |              |                           | 4          | 4.0            | 53.0              | 49.3           | 49.0             | 52.3 | 23.0 |
|  |             |                                 | 1000                | 305   | 18.7                    | 8.5  |  |                          |      |  |            |      |              |                           | 8          | 5.7            | 49.0              | 43.1           | 43.0             | 46.1 | 24.5 |
|  |             |                                 | 1640                | 500   | 30.9                    | 14.0 |  |                          |      |  |            |      |              |                           | 10         | 6.3            | 47.0              | 41.0           | 41.0             | 44.0 | 25.0 |
|  |             |                                 | 3280                | 1000  | 61.7                    | 28.0 |  |                          |      |  |            |      |              |                           | 16         | 8.0            | 44.0              | 36.2           | 37.0             | 39.2 | 25.0 |
|  |             |                                 |                     |       |                         |      |  |                          |      |  |            |      |              |                           | 20         | 9.0            | 43.0              | 33.8           | 35.0             | 36.8 | 23.6 |
|  |             |                                 |                     |       |                         |      |  |                          |      |  |            |      |              |                           | 25         | 10.1           | 41.0              | 31.2           | 33.0             | 34.2 | 24.3 |
|  |             |                                 |                     |       |                         |      |  |                          |      |  |            |      |              |                           | 31.25      | 11.4           | 40.0              | 28.5           | 31.0             | 31.5 | 23.6 |
|  |             |                                 |                     |       |                         |      |  |                          |      |  |            |      |              |                           | 62.5       | 16.5           | 35.0              | 18.8           | 25.0             | 21.8 | 21.5 |
|  |             |                                 |                     |       |                         |      |  |                          |      |  |            |      |              |                           | 100        | 21.3           | 32.0              | 11.0           | 21.0             | 14.0 | 20.1 |
| Input Impedance ( ) 100 + 15%  |             |                                 |                     |       |                         |      |  |                          |      | Color Code: see chart below  |            |      |              |                           |            |                |                   |                |                  |      |      |
| 500 m put-up available in Grey only.   |             |                                 |                     |       |                         |      |  |                          |      | Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2 |            |      |              |                           |            |                |                   |                |                  |      |      |

|   |       |      |        |       |      |      |                               |       |      |  |       |      |   |     |       |      |      |      |      |   |      |
|---|-------|------|--------|-------|------|------|-------------------------------|-------|------|--|-------|------|---|-----|-------|------|------|------|------|---|------|
| <b>DataTwist® Cat 5e+ • 24 AWG • Solid 0.5 mm Bare Copper Conductors • Rip Cord</b>               |       |      |        |       |      |      |                               |       |      |  |       |      |   |     |       |      |      |      |      |   |      |
| <b>Polyolefin Insulation • PVC Jacket (Red, Orange, Yellow, Green, White, Blue and Dark Grey)</b> |       |      |        |       |      |      |                               |       |      |  |       |      |   |     |       |      |      |      |      |   |      |
| <br>Rip Cord<br><br>4-Pair  | 1500A | NEC: | A-1000 | A-305 | 26.0 | 11.8 | 0.51 mm<br>24 AWG<br>Solid BC | 0.035 | 0.89 | Non-<br>Bonded-Pair<br>Unshielded<br>U/UTP                             | 0.190 | 4.83 | 1 | 2.0 | 65.3  | 63.3 | 60.8 | -    | 20.0 |   |      |
|   |       | CM   | 1000   | 305   | 22.9 | 10.4 |                               |       |      |  |       |      |   |     | 4     | 4.0  | 56.3 | 52.3 | 48.7 | - | 23.0 |
|   |       | CEC: |        |       |      |      |                               |       |      |  |       |      |   |     | 8     | 5.7  | 51.8 | 46.1 | 42.7 | - | 24.5 |
|   |       | CM   |        |       |      |      |                               |       |      |  |       |      |   |     | 10    | 6.4  | 50.3 | 43.9 | 40.8 | - | 25.0 |
|   |       |      |        |       |      |      |                               |       |      |  |       |      |   |     | 16    | 8.1  | 47.3 | 39.1 | 36.7 | - | 25.0 |
|   |       |      |        |       |      |      |                               |       |      |  |       |      |   |     | 25    | 10.3 | 44.3 | 34.1 | 32.8 | - | 24.3 |
|   |       |      |        |       |      |      |                               |       |      |  |       |      |   |     | 31.25 | 11.6 | 42.9 | 31.3 | 30.9 | - | 23.6 |
|   |       |      |        |       |      |      |                               |       |      |  |       |      |   |     | 62.5  | 16.8 | 38.4 | 21.6 | 24.8 | - | 21.5 |
|   |       |      |        |       |      |      |                               |       |      |  |       |      |   |     | 100   | 21.7 | 35.3 | 17.1 | 20.8 | - | 20.1 |
|   |       |      |        |       |      |      |                               |       |      |  |       |      |   |     | 155   | 27.7 | 32.5 | 4.7  | 16.9 | - | 19.0 |
|   |       |      |        |       | 200  | 32.0 | 30.8                          | 3.0   | 14.7 | -  | 19.0  |      |   |     |       |      |      |      |      |   |      |
|   |       |      |        |       | 250  | 36.4 | 29.3                          | -     | 12.8 | -  | 18.0  |      |   |     |       |      |      |      |      |   |      |
|   |       |      |        |       | 300  | 44.3 | 27.2                          | -     | 9.9  | -  | 17.0  |      |   |     |       |      |      |      |      |   |      |
| Input Impedance ( ) 1-16: 100 + 12%   |       |      |        |       |      |      |                               |       |      | Color Code: see chart below  |       |      |   |     |       |      |      |      |      |   |      |
| 25-100: + 15%   |       |      |        |       |      |      |                               |       |      | Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2 |       |      |   |     |       |      |      |      |      |   |      |
| 155: + 18%  |       |      |        |       |      |      |                               |       |      |  |       |      |   |     |       |      |      |      |      |   |      |
| 200-250: + 20%  |       |      |        |       |      |      |                               |       |      |  |       |      |   |     |       |      |      |      |      |   |      |
| 350: + 22%  |       |      |        |       |      |      |                               |       |      |  |       |      |   |     |       |      |      |      |      |   |      |

|  |       |                                      |        |       |      |      |                               |       |      |  |       |      |   |     |  |      |      |      |      |   |      |  |  |  |  |  |  |  |  |
|--|-------|--------------------------------------|--------|-------|------|------|-------------------------------|-------|------|--|-------|------|---|-----|--|------|------|------|------|---|------|--|--|--|--|--|--|--|--|
| <b>DataTwist® Cat 6 • 23 AWG • Solid 0.6 mm Bare Copper Conductors • Central Rod Filler • Rip Cord</b> |       |                                      |        |       |      |      |                               |       |      |  |       |      |   |     |  |      |      |      |      |   |      |  |  |  |  |  |  |  |  |
| <b>Polyolefin Insulation • PVC Jacket (Red, Orange, Yellow, Green, White, Blue and Dark Grey)</b>      |       |                                      |        |       |      |      |                               |       |      |  |       |      |   |     |  |      |      |      |      |   |      |  |  |  |  |  |  |  |  |
| <br>Rip Cord<br><br>4-Pair   | 7881A | NEC:                                 | A-1000 | A-305 | 33.1 | 15.0 | 0.57 mm<br>23 AWG<br>Solid BC | 0.043 | 1.09 | Non-<br>Bonded-Pair<br>Unshielded<br>U/UTP | 0.235 | 5.97 | 1 | 2.0 | 72.3   | 70.3 | 64.8 | -    | 20.0 |   |      |  |  |  |  |  |  |  |  |
|  |       | CM                                   | 1000   | 305   | 30.0 | 13.6 |                               |       |      |  |       |      |   |     | 10   | 6.0  | 57.3 | 51.3 | 44.8 | - | 25.0 |  |  |  |  |  |  |  |  |
|  |       | CEC:                                 |        |       |      |      |                               |       |      |  |       |      |   |     | 20   | 8.5  | 52.8 | 44.3 | 38.7 | - | 25.0 |  |  |  |  |  |  |  |  |
|  |       | CMR FT4                              |        |       |      |      |                               |       |      |  |       |      |   |     | 31.25  | 10.7 | 49.9 | 39.2 | 34.9 | - | 23.6 |  |  |  |  |  |  |  |  |
|  |       |                                      |        |       |      |      |                               |       |      |  |       |      |   |     | 62.5   | 15.4 | 45.4 | 30.0 | 28.8 | - | 21.5 |  |  |  |  |  |  |  |  |
|  |       |                                      |        |       |      |      |                               |       |      |  |       |      |   |     | 100  | 19.8 | 42.3 | 22.5 | 24.8 | - | 20.1 |  |  |  |  |  |  |  |  |
|  |       |                                      |        |       |      |      |                               |       |      |  |       |      |   |     | 200  | 29.0 | 37.8 | 8.8  | 18.7 | - | 18.0 |  |  |  |  |  |  |  |  |
|  |       |                                      |        |       |      |      |                               |       |      |  |       |      |   |     | 250  | 32.8 | 36.3 | 3.5  | 16.8 | - | 17.3 |  |  |  |  |  |  |  |  |
|  |       | Input Impedance ( ) 1-100: 100 + 15% |        |       |      |      |                               |       |      |  |       |      |   |     | Color Code: see chart below  |      |      |      |      |   |      |  |  |  |  |  |  |  |  |
|  |       | 200: + 22%                           |        |       |      |      |                               |       |      |  |       |      |   |     | Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2 |      |      |      |      |   |      |  |  |  |  |  |  |  |  |
| 250: + 32%   |       |                                      |        |       |      |      |                               |       |      |  |       |      |   |     |  |      |      |      |      |   |      |  |  |  |  |  |  |  |  |

BC = Bare Copper • DCR = DC resistance


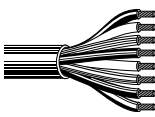

**Color Code**

| Pair No. | Color                       |
|----------|-----------------------------|
| 1        | White/Blue Stripe, Blue     |
| 2        | White/Orange Stripe, Orange |
| 3        | White/Green Stripe, Green   |
| 4        | White/Brown Stripe, Brown   |

## Security Composite Cables

### Video Control System Cables



| De-<br>scription  | Part<br>No.    | UL NEC/<br>C(UL)/CEC<br>Type IEC | Standard<br>Lengths |     | Standard<br>Unit Weight |      | Shielding<br>Material | Nominal OD |       | Compo-<br>nent | Description                                       | Shielding<br>Material<br>& Nom.<br>DCR | Insulation<br>Material &<br>Colors | Component<br>Jacket<br>Material<br>& Colors | Component<br>Insulation OD |      |
|---|----------------|----------------------------------|---------------------|-----|-------------------------|------|-----------------------|------------|-------|----------------|---|--|------------------------------------|---|----------------------------|------|
|   |                |                                  | ft.                 | m   | lbs.                    | kg   |                       | inch       | mm    |                |   |  |                                    |   | inch                       | mm   |
| Composite • <b>(3) Conductor</b> 20 AWG • <b>(1) Coax</b> Solid 0.6 mm Bare Copper • 55% Tinned Copper Braid • <b>(9) Conductor</b> 20 AWG                  |                |                                  |                     |     |                         |      |                       |            |       |                |   |  |                                    |   |                            |      |
| <b>PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket</b>  |                |                                  |                     |     |                         |      |                       |            |       |                |   |  |                                    |   |                            |      |
|   | <b>SEC0005</b> |                                  | 328                 | 100 | 48.5                    | 22.0 | Unshielded            | 0.472      | 12.00 | Power          | 3 Conductor<br>20 AWG<br>1.00 mm<br>(20x0.243) BC | Unshielded                             | PVC                                | PVC   | 0.085                      | 2.17 |
|    |                |                                  |                     |     |                         |      |                       |            |       | Coax           | 23 AWG<br>0.58 mm<br>Solid BC                     | 55% TC Braid                           | PE<br>3.70 mm                      | PVC   | 0.146                      | 3.70 |
|   |                |                                  |                     |     |                         |      |                       |            |       | Control        | 9 Conductor<br>22 AWG<br>0.75 mm<br>(22x0.193) BC | Unshielded                             | PVC                                | PVC   | 0.070                      | 1.77 |
| Composite • <b>(2) Conductor</b> 16 AWG • <b>(3) Pair</b> 28 AWG  |                |                                  |                     |     |                         |      |                       |            |       |                |   |  |                                    |   |                            |      |
| <b>PVC Insulation • Grey PVC Jacket</b>   |                |                                  |                     |     |                         |      |                       |            |       |                |   |  |                                    |   |                            |      |
|   | <b>SEC0006</b> |                                  | 328                 | 100 | 26.5                    | 12.0 | Unshielded            | 0.374      | 9.50  | Power          | 2 Conductor<br>16 AWG<br>1.50 mm<br>(30x0.25) BC  | Unshielded                             | PVC                                | PVC   | 0.101                      | 2.56 |
|    |                |                                  |                     |     |                         |      |                       |            |       | Control        | 3-Pair<br>28 AWG<br>0.35 mm<br>(11x0.193) BC      | Unshielded                             | PVC                                | PVC   | 0.056                      | 1.42 |
| Composite • <b>(2) Conductor</b> 22 AWG • <b>(1) Coax</b> Solid 0.75 mm BC • 80% Tinned Copper Braid • <b>(6) Conductor</b> 26 AWG • <b>(3) Pair</b> 28 AWG |                |                                  |                     |     |                         |      |                       |            |       |                |   |  |                                    |   |                            |      |
| <b>PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket</b>  |                |                                  |                     |     |                         |      |                       |            |       |                |   |  |                                    |   |                            |      |
|   | <b>SEC0007</b> |                                  | 328                 | 100 | 36.4                    | 16.5 | Unshielded            | 0.421      | 10.70 | Power          | 2 Conductor<br>22 AWG<br>0.75 mm<br>(22x0.193) BC | Unshielded                             | PE                                 | PVC   | 0.070                      | 1.77 |
|    |                |                                  |                     |     |                         |      |                       |            |       | Coax           | 21 AWG<br>0.75 mm<br>Solid BC                     | 80% TC Braid                           | PE                                 | PVC   | 0.134                      | 3.40 |
|   |                |                                  |                     |     |                         |      |                       |            |       | Data           | 6 Conductor<br>26 AWG<br>0.50 mm<br>(16x0.193) BC | Unshielded                             | PE                                 | PVC   | 0.062                      | 1.57 |
|   |                |                                  |                     |     |                         |      |                       |            |       | Control        | 3-Pair<br>28 AWG<br>0.35 mm<br>(11x0.193) BC      | Unshielded                             | PE                                 | PVC   | 0.056                      | 1.42 |

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

## Security Composite Cables

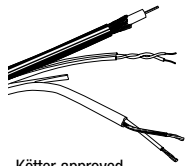
### Banana Peel® PTZ Camera Cable Composite Cables Jacketless



| De-<br>scription | Part<br>No. | UL NEC/<br>C(UL)CEC<br>Type IEC | Standard<br>Lengths |   | Standard<br>Unit Weight |    | Shielding<br>Material | Nominal OD |    | Compo-<br>nent | Description | Shielding<br>Material<br>& Nom.<br>DCR | Insulation<br>Material &<br>Colors | Component<br>Jacket<br>Material &<br>Colors | Component OD |    |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|-----------------------|------------|----|----------------|-------------|--|------------------------------------|---|--------------|----|
|                  |             |                                 | ft.                 | m | lbs.                    | kg |                       | inch       | mm |                |             |  |                                    |   | inch         | mm |

Composite • **(1) Coax** 20 AWG 0.8 mm • **(1) Pair Unshielded** 23 AWG 0.6 mm • **(2) CDR Unshielded** 18 AWG 1.2 mm • **Banana Peel®**  
Unjacketed, Bonded to Central Spine

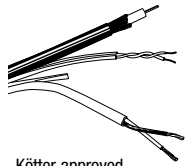
| PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket |        |                                     |      |     |      |      |       |            |       |  |            |                                 |                 |       |      |             |         |
|--|--------|-------------------------------------|------|-----|------|------|-------|------------|-------|--|------------|---------------------------------|-----------------|-------|------|-------------|---------|
| 300V<br>75°C   | 500PTZ | NEC:                                | 500  | 152 | 36.8 | 17.5 | 0.409 | 10.40      | Video | 1-Coax RG59/U<br>20 AWG<br>0.81 mm<br>Solid BC | 95% BC     | Foam<br>Polyethylene<br>5.76 mm | F-R PV<br>Black | 0.227 | 5.77 |             |         |
|  |        | CMR:                                | 1000 | 305 | 71.2 | 32.3 |       |            |       |  |            |                                 |                 |       |      |             |         |
|  |        | CEC:<br>CMG FT4<br>Shaft<br>UL 1666 |      |     |      |      |       |            |       |  |            |                                 |                 |       |      | White, Blue | Control |
|  |        |                                     |      |     |      |      |       | Red, Black | Power | 2-Conductor<br>18 AWG<br>1.22 mm<br>(7x26) BC  | Unshielded | PVC<br>2.20 mm                  | PVC<br>White    | 0.171 | 4.34 |             |         |



Kötter approved

Composite • **(1) Coax** 20 AWG 0.8 mm • **(1) Pair Shielded** 22 AWG 0.6 mm • 22 AWG Drain Wire • **(2) CDR Unshielded** 18 AWG 1.2 mm •  
**Banana Peel®** Unjacketed, Bonded to Central Spine

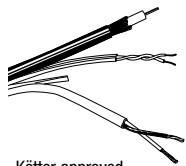
| PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket |        |                                     |      |     |      |      |       |            |       |  |            |                                 |                 |       |      |                            |         |
|--|--------|-------------------------------------|------|-----|------|------|-------|------------|-------|--|------------|---------------------------------|-----------------|-------|------|----------------------------|---------|
| 300V<br>75°C   | 501PTZ | NEC:                                | 500  | 152 | 41.0 | 18.6 | 0.417 | 10.60      | Video | 1-Coax RG59/U<br>20 AWG<br>0.81 mm<br>Solid BC | 95% BC     | Foam<br>Polyethylene<br>5.76 mm | F-R PV<br>Black | 0.219 | 5.57 |                            |         |
|  |        | CMR:                                | 1000 | 305 | 76.1 | 34.5 |       |            |       |  |            |                                 |                 |       |      |                            |         |
|  |        | CEC:<br>CMG FT4<br>Shaft<br>UL 1666 |      |     |      |      |       |            |       |  |            |                                 |                 |       |      | White/Blue<br>Stripe, Blue | Control |
|  |        |                                     |      |     |      |      |       | Red, Black | Power | 2-Conductor<br>18 AWG<br>1.22 mm<br>(7x26) BC  | Unshielded | PVC<br>2.20 mm                  | PVC<br>White    | 0.171 | 4.34 |                            |         |



Kötter approved

Composite • **(1) Coax** 20 AWG 0.8 mm • **(1) Pair Shielded** 18 AWG 1.2 mm • 20 AWG Drain Wire • **(2) CDR Unshielded** 18 AWG 1.2 mm •  
**Banana Peel®** Unjacketed, Bonded to Central Spine

| PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket |        |                                     |      |     |      |      |       |            |       |  |            |                                 |                 |       |      |                            |         |
|--|--------|-------------------------------------|------|-----|------|------|-------|------------|-------|--|------------|---------------------------------|-----------------|-------|------|----------------------------|---------|
| 300V<br>75°C   | 502PTZ | NEC:                                | 500  | 152 | 50.0 | 22.7 | 0.453 | 11.50      | Video | 1-Coax RG59/U<br>20 AWG<br>0.81 mm<br>Solid BC | 95% BC     | Foam<br>Polyethylene<br>5.76 mm | F-R PV<br>Black | 0.219 | 5.57 |                            |         |
|  |        | CMR:                                | 1000 | 305 | 93.9 | 42.6 |       |            |       |  |            |                                 |                 |       |      |                            |         |
|  |        | CEC:<br>CMG FT4<br>Shaft<br>UL 1666 |      |     |      |      |       |            |       |  |            |                                 |                 |       |      | White/Blue<br>Stripe, Blue | Control |
|  |        |                                     |      |     |      |      |       | Red, Black | Power | 2-Conductor<br>18 AWG<br>1.22 mm<br>(7x26) BC  | Unshielded | PVC<br>2.20 mm                  | PVC<br>White    | 0.171 | 4.34 |                            |         |



Kötter approved

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

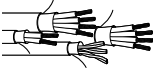
## Security Composite Cables

### Banana Peel® Access Control Composite Cables Jacketless



| De-<br>scription | Part<br>No. | UL NEC/<br>C(UL)/CEC<br>Type IEC | Standard<br>Lengths |   | Standard<br>Unit Weight |    | Shielding<br>Material | Nominal OD |    | Compo-<br>nent | Description | Shielding<br>Material<br>& Nom.<br>DCR | Insulation<br>Material &<br>Colors | Component<br>Jacket<br>Material<br>& Colors | Component OD |    |
|------------------|-------------|----------------------------------|---------------------|---|-------------------------|----|-----------------------|------------|----|----------------|-------------|--|------------------------------------|---|--------------|----|
|                  |             |                                  | ft.                 | m | lbs.                    | kg |                       | inch       | mm |                |             |  |                                    |   | inch         | mm |

Composite • **4 CDR Beldfoil®** 18 AWG 1.22 mm • **3 Pair Beldfoil®** 22 AWG 0.8 mm • **2 CDR Beldfoil®** 22 AWG 0.8 mm • **4 CDR Beldfoil®** 22 AWG 0.8 mm • **Banana Peel®** Unjacketed, Bonded Central Spline

| PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket                                   |              |               |                            |             |            |               |              |  |       |       |                 |   |                      |                |               |       |      |
|--|--------------|---------------|----------------------------|-------------|------------|---------------|--------------|--|-------|-------|-----------------|---|----------------------|----------------|---------------|-------|------|
| <br>Kötter approved | 300V<br>75°C | <b>558AFS</b> | NEC:<br>CMR<br>CEC:<br>CMG | 500<br>1000 | 152<br>305 | 58.4<br>108.0 | 26.5<br>49.0 | White, Black,<br>Red, Green                      | 0.448 | 11.38 | Lock<br>Power   | 4-Conductor<br>18 AWG<br>1.22 mm<br>(7x26) BC | Overall<br>Beldfoil® | PVC<br>2.89 mm | PVC<br>Grey   | 0.202 | 5.13 |
|  |              |               |                            |             |            |               |              | White & Green,<br>Orange & Brown,<br>Red & Black |       |       | Card<br>Reader  | 3-Pair<br>22 AWG<br>0.76 mm<br>(7x30) BC      | Overall<br>Beldfoil® | PVC<br>1.25 mm | PVC<br>Orange | 0.233 | 5.92 |
|  |              |               |                            |             |            |               |              | Black, Red                                       |       |       | Door<br>Contact | 2-Conductor<br>22 AWG<br>0.76 mm<br>(7x30) BC | Overall<br>Beldfoil® | PVC<br>2.00 mm | PVC<br>White  | 0.140 | 3.56 |
|  |              |               |                            |             |            |               |              | White, Black,<br>Red, Green                      |       |       | Rex/<br>Spare   | 4-Conductor<br>22 AWG<br>0.76 mm<br>(7x30) BC | Overall<br>Beldfoil® | PVC<br>2.00 mm | PVC<br>Blue   | 0.161 | 4.09 |

BC = Bare Copper • DCR = DC resistance