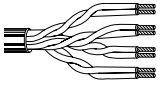


### DataTwist® 350 U/UTP Patch Cables

TIA/EIA-568-B.2, Category 5e,  
 Enhanced Category 5e, Bonded-Pair Cables

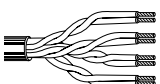
| De-<br>scription   | Part<br>No. | UL NEC/<br>C(UL)/CEC<br>Type IEC | Standard<br>Lengths |       | Standard<br>Unit Weight |      | Conductor<br>(Stranding)<br>Diameter<br>Nom. DCR | Nominal<br>Insulation OD |      | Shielding<br>Material<br>Nom. DCR  | Nominal OD |      | Freq.<br>MHz | Max.<br>Atten.<br>dB/100m | Min. PSUM  |                |                   | Input<br>Imp.<br>(Ω) | 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>Cat 5e • 24 AWG • Bonded-Pair • Stranded (7x32) 0.6 mm Tinned Copper • RJ-45 Compatible</b>             |             |                                  |                     |       |                         |      |  |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  |       |      |      |      |      |          |      |
| <b>Polyolefin Insulation • PVC Jacket</b> (Yellow, Green, Blue, Violet, Light Grey, Grey, White and Black) |             |                                  |                     |       |                         |      |  |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  |       |      |      |      |      |          |      |
| <br>4-Pair                | 1752A       | NEC:                             | U-1000              | U-305 | 24.0                    | 10.9 | 0.61 mm  | 0.038                    | 1.00 | Bonded-Pair<br>Unshielded<br>U/UTP | 0.220      | 5.59 | 1            | 2.4                       | 65.3       | 62.9           | 60.8              | 100 ± 12             | 20.0             |  |       |      |      |      |      |          |      |
|  |             | CM                               | 1000                | 305   | 26.0                    | 11.8 | 24 AWG   |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  | 4     | 4.8  | 56.3 | 51.5 | 48.7 | 100 ± 12 | 23.0 |
|  |             | CEC:                             |                     |       |                         |      | (7x32) TC  |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  | 8     | 6.8  | 51.8 | 45.0 | 42.7 | 100 ± 12 | 24.5 |
|  |             | CM                               |                     |       |                         |      |  |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  | 10    | 7.7  | 50.3 | 42.6 | 40.8 | 100 ± 12 | 25.0 |
|  |             |                                  |                     |       |                         |      |  |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  | 16    | 9.7  | 47.3 | 37.5 | 36.7 | 100 ± 12 | 25.0 |
|  |             |                                  |                     |       |                         |      |  |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  | 25    | 12.4 | 44.3 | 31.9 | 32.8 | 100 ± 15 | 24.3 |
|  |             |                                  |                     |       |                         |      |  |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  | 31.25 | 13.9 | 42.9 | 29.0 | 30.9 | 100 ± 15 | 23.6 |
|  |             |                                  |                     |       |                         |      |  |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  | 62.5  | 20.2 | 38.4 | 18.3 | 24.9 | 100 ± 15 | 21.5 |
|  |             |                                  |                     |       |                         |      |  |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  | 100   | 26.0 | 35.3 | 9.2  | 20.8 | 100 ± 15 | 20.1 |
|  |             |                                  |                     |       |                         |      |  |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  | 155   | 33.2 | 32.5 | -    | 16.9 | 100 ± 18 | 19.0 |
|  |             |                                  |                     |       |                         |      |  |                          |      |                                    |            |      |              |                           |            |                |                   |                      |                  |  | 200   | 38.4 | 30.8 | -    | 14.7 | 100 ± 20 | 19.0 |
|  |             |                                  |                     |       |                         |      |  |                          | 250  | 43.7                               | 29.3       | -    | 12.8         | 100 ± 20                  | 18.0       |                |                   |                      |                  |  |       |      |      |      |      |          |      |
|  |             |                                  |                     |       |                         |      |  |                          | 350  | 53.2                               | 27.2       | -    | 9.9          | 100 ± 22                  | 17.0       |                |                   |                      |                  |  |       |      |      |      |      |          |      |

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2, Category 5e Patch  
 U.S. Patents 5,606,151; 5,734,126 and 5,763,823  
 Jacket sequentially marked at 0.6 m intervals.

### DataTwist® 5e U/UTP Patch Cables

TIA/EIA-568-B.2, Category 5e,  
 Non-Bonded-Pair Cables

| 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  |                |                   | Input<br>Imp.<br>(Ω) | 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>Cat 5e • 24 AWG • Stranded (7x32) 0.6 mm Bare Copper • Twisted Pair • RJ-45 Compatible*</b>                    |             |                                  |                     |       |                         |      |  |                          |      |  |            |      |              |                           |            |                |                   |                      |                  |  |       |      |      |   |      |          |      |
| <b>Polyolefin Insulation • PVC Jacket</b> (Red, Orange, Yellow, Green, Blue, Violet, Light Grey, White and Black) |             |                                  |                     |       |                         |      |  |                          |      |  |            |      |              |                           |            |                |                   |                      |                  |  |       |      |      |   |      |          |      |
| <br>4-Pair                     | 1592A       | NEC:                             | U-1000              | U-305 | 22.0                    | 10.0 | 0.61 mm  | 0.040                    | 1.02 | Non-<br>Bonded-Pair<br>Unshielded<br>U/UTP | 0.213      | 5.41 | 1            | 2.5                       | 62.3       | -              | 60.8              | 100 ± 15             | 20.0             |  |       |      |      |   |      |          |      |
|   |             | CM                               | 1000                | 305   | 23.1                    | 10.5 | 24 AWG   |                          |      |  |            |      |              |                           |            |                |                   |                      |                  |  | 4     | 4.9  | 53.3 | - | 48.7 | 100 ± 15 | 23.0 |
|   |             | CEC:                             |                     |       |                         |      | (7x32) BC  |                          |      |  |            |      |              |                           |            |                |                   |                      |                  |  | 10    | 7.8  | 47.3 | - | 40.8 | 100 ± 15 | 25.0 |
|   |             | CM FT1                           |                     |       |                         |      |  |                          |      |  |            |      |              |                           |            |                |                   |                      |                  |  | 16    | 9.9  | 44.3 | - | 36.7 | 100 ± 15 | 25.0 |
|   |             |                                  |                     |       |                         |      |  |                          |      |  |            |      |              |                           |            |                |                   |                      |                  |  | 31.25 | 14.1 | 39.9 | - | 30.9 | 100 ± 15 | 23.6 |
|   |             |                                  |                     |       |                         |      |  |                          |      |  |            |      |              |                           |            |                |                   |                      |                  |  | 62.5  | 20.4 | 35.4 | - | 24.8 | 100 ± 15 | 21.5 |
|   |             |                                  |                     |       |                         |      |  |                          |      |  |            |      |              |                           |            |                |                   |                      |                  |  | 100   | 26.4 | 32.3 | - | 20.8 | 100 ± 15 | 20.1 |
|   |             |                                  |                     |       |                         |      |  |                          |      |  |            |      |              |                           |            |                |                   |                      |                  |  | 200   | 38.9 | 27.8 | - | 14.7 | 100 ± 25 | 15.0 |

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2, Category 5e Patch  
 Jacket sequentially marked at 0.6 m intervals.

TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk •  
 NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance  
 \* RJ-45 compatible for either T568-A or T568-B configurations.

#### 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   |

#### Get the Bonded-Pairs Cable Preparation Tool

See page 15.37 for details.  
 (Part No. 1797B)

