

DataTwist® 600e UTP Cable

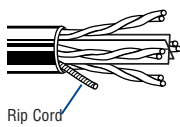
TIA/EIA-568-B.2-1, Category 6

Enhanced Category 6 Bonded-Pair Cables

Certified System Cable

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Pairs | Standard Lengths | | Standard Unit Wt. | | Nominal OD | | Max. DCR (Ω / 100m) | Max. DCR Unbal. (%) | Max. Cap. Unbal. (pF/ 100m) | Freq. (MHz) | Max. Atten. (dB/ 100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/ 100m) | Min. PSUM ELFEXT (dB/ 100m) | Input Imped. (Ω) | Min. RL (dB) |
|-------------|----------|------------------------------|--------------------|------------------|---|----------------------|----|---------------|----|--------------------------------------|------------------------------|---|----------------|---------------------------------|------------------------------|--------------------------------------|---|---------------------------------|--------------------|
| | | | | Ft. | m | Lbs. | kg | Inch | mm | | | | | | | | | | |

23 AWG Bonded-Pairs Solid Bare Copper Conductors • Patented E-Spline Center Member • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Black, White or Gray)

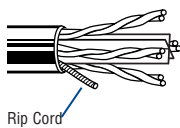
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|--|--------------|----------------------------|---|--------|---------|------|------|------|------|------|--------|------|-------|------|------|------|------|--------|------|
|  | 7851A | NEC: CMR CEC: CMR | 4 | 1000 | 304.8 | 38.0 | 17.2 | .227 | 5.77 | 8.2 | 3.0 | 65.6 | 1 | 1.9 | 80.3 | 78.5 | 70.8 | 100±12 | 20.0 |
| | | | | A-1000 | A-304.8 | 47.0 | 21.3 | x | x | | | | 10 | 5.7 | 65.3 | 59.6 | 50.8 | 100±12 | 25.0 |
| | | | | | | | | .315 | 8.00 | | | | 31.25 | 10.2 | 57.9 | 47.7 | 40.9 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 62.5 | 14.7 | 53.4 | 38.7 | 34.9 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 100 | 18.9 | 50.3 | 31.4 | 30.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 155 | 23.9 | 47.5 | 23.5 | 27.0 | 100±15 | 22.8 |
| | | | | | | | | | | | | | 200 | 27.5 | 45.8 | 18.3 | 24.8 | 100±15 | 21.7 |
| | | | | | | | | | | | | | 250 | 31.2 | 44.3 | 13.2 | 22.8 | 100±20 | 20.5 |
| | | | | | | | | | | | | | 350 | 37.7 | 40.2 | 4.5 | 19.9 | 100±22 | 19.8 |
| | | | | | | | | | | | | | 400 | 40.6 | 39.3 | 0.6 | 18.8 | 100±22 | 19.5 |
| | | | | | | 500 | 46.2 | 37.8 | >0* | 16.8 | 100±22 | 18.4 | | | | | | | |
| | | | | | | 550 | 48.8 | 37.2 | — | 16.0 | 100±22 | 18.0 | | | | | | | |
| | | | | | | 600 | 51.4 | 36.6 | — | 15.2 | 100±22 | 17.6 | | | | | | | |

Third party verified to TIA/EIA-568-B.2-1, Category 6

U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1

Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking.

Non-Plenum • Polyolefin Insulation • Gray Haloarrest® Jacket

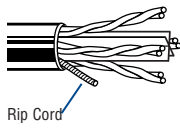
| | | | | | | | | | | | | | | | | | | | |
|--|---------------|----------------------------|---|--------|---------|------|------|------|------|------|--------|------|-------|------|------|------|------|--------|------|
|  | 7851NH | NEC: CMP CEC: CMP | 4 | 1000 | 304.8 | 39.0 | 17.7 | .241 | 6.12 | 8.2 | 3.0 | 65.6 | 1 | 1.9 | 80.3 | 78.5 | 70.8 | 100±12 | 20.0 |
| | | | | A-1000 | A-304.8 | 48.0 | 21.8 | x | x | | | | 10 | 5.7 | 65.3 | 59.6 | 50.8 | 100±12 | 25.0 |
| | | | | | | | | .329 | 8.36 | | | | 31.25 | 10.2 | 57.9 | 47.7 | 40.9 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 62.5 | 14.7 | 53.4 | 38.7 | 34.9 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 100 | 18.9 | 50.3 | 31.4 | 30.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 155 | 23.9 | 47.5 | 23.5 | 27.0 | 100±15 | 22.8 |
| | | | | | | | | | | | | | 200 | 27.5 | 45.8 | 18.3 | 24.8 | 100±15 | 21.7 |
| | | | | | | | | | | | | | 250 | 31.2 | 44.3 | 13.2 | 22.8 | 100±20 | 20.5 |
| | | | | | | | | | | | | | 350 | 37.7 | 40.2 | 4.5 | 19.9 | 100±22 | 19.8 |
| | | | | | | | | | | | | | 400 | 40.6 | 39.3 | 0.6 | 18.8 | 100±22 | 19.5 |
| | | | | | | 500 | 46.2 | 37.8 | >0* | 16.8 | 100±22 | 18.4 | | | | | | | |
| | | | | | | 550 | 48.8 | 37.2 | — | 16.0 | 100±22 | 18.0 | | | | | | | |
| | | | | | | 600 | 51.4 | 36.6 | — | 15.2 | 100±22 | 17.6 | | | | | | | |

Third party verified to TIA/EIA-568-B.2-1, Category 6

U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1

Jacket sequentially marked at 1 meter intervals. Features Descending Length Marking.

Plenum • FEP Teflon® Insulation • Flammarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Black, White or Gray)

| | | | | | | | | | | | | | | | | | | | |
|--|--------------|----------------------------|---|---------|---------|------|------|------|------|------|--------|------|-------|------|------|------|------|--------|------|
|  | 7852A | NEC: CMP CEC: CMP | 4 | 1000 | 304.8 | 40.0 | 18.1 | .218 | 5.54 | 8.2 | 3.0 | 65.6 | 1 | 1.9 | 80.3 | 78.5 | 70.8 | 100±12 | 20.0 |
| | | | | A-1000† | A-304.8 | 49.0 | 22.2 | x | x | | | | 10 | 5.7 | 65.3 | 59.6 | 50.8 | 100±12 | 25.0 |
| | | | | | | | | .290 | 7.37 | | | | 31.25 | 10.2 | 57.9 | 47.7 | 40.9 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 62.5 | 14.7 | 53.4 | 38.7 | 34.9 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 100 | 18.9 | 50.3 | 31.4 | 30.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 155 | 23.9 | 47.5 | 23.5 | 27.0 | 100±15 | 22.8 |
| | | | | | | | | | | | | | 200 | 27.5 | 45.8 | 18.3 | 24.8 | 100±15 | 21.7 |
| | | | | | | | | | | | | | 250 | 31.2 | 44.3 | 13.2 | 22.8 | 100±20 | 20.5 |
| | | | | | | | | | | | | | 350 | 37.7 | 40.2 | 4.5 | 19.9 | 100±22 | 19.8 |
| | | | | | | | | | | | | | 400 | 40.6 | 39.3 | 0.6 | 18.8 | 100±22 | 19.5 |
| | | | | | | 500 | 46.2 | 37.8 | >0* | 16.8 | 100±22 | 18.4 | | | | | | | |
| | | | | | | 550 | 48.8 | 37.2 | — | 16.0 | 100±22 | 18.0 | | | | | | | |
| | | | | | | 600 | 51.4 | 36.6 | — | 15.2 | 100±22 | 17.6 | | | | | | | |

† A-1000 ft. put-up not available in Red.

Third party verified to TIA/EIA-568-B.2-1, Category 6

U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1

Jacket sequentially marked at 2 ft. intervals. Features descending Length marking.

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

*PSUM ACR >0 is guaranteed to 460 MHz

 Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.
DataTwist 600e: Beyond Category 6

Belden® DataTwist 600e data cable is a revolutionary UTP cable engineered specifically to perform well beyond Category 6 standards. While Category 6 cable is specified only to 250 MHz, DataTwist 600e is the only Cat 6 UTP cable in the industry fully characterized with guaranteed performance to 600 MHz. So users have far more headroom to compensate for unforeseen factors that can inhibit the performance of a cabling system today...and protection of their technology investment for the future.

Handy Cable Preparation Tool Speeds Installation Of Bonded-Pair Cables

You know the high performance benefits of using data cables featuring Belden's unique Bonded-Pair technology. The Belden Cable Preparation Tool (1797B) now makes it faster and easier than ever to prepare cables for connector termination providing special features that help separate twisted pairs. The Cable Preparation Tool is packed with every spool of DataTwist 600e. See page 15.40 for more information.

**Color Codes: DataTwist 600e**

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

Teflon is a DuPont trademark.

GigaFlex 4800LX Cable Series

ANSI/TIA/EIA-568-B.2-1, Category 6

Enhanced Category 6 Nonbonded-pair Cables

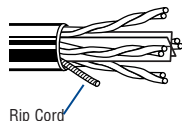
Certified System Cable

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Pairs | Standard Lengths | | Standard Unit Wt. | | Nominal OD | | Max. DCR (Ω/100m) | Max. DCR Unbal. (%) | Max. Cap. Unbal. (pF/100m) | Freq. (MHz) | Max. Atten. (dB/100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/100m) | Min. PSUM ELFEXT (dB/100m) | Input Imped. (Ω) | Min. RL (dB) |
|-------------|----------|------------------------|--------------|------------------|---|-------------------|----|------------|----|-------------------|---------------------|----------------------------|-------------|-----------------------|---------------------|-------------------------|----------------------------|------------------|--------------|
| | | | | Ft. | m | Lbs. | kg | Inch | mm | | | | | | | | | | |

23 AWG Solid Bare Copper Conductors • Twisted Pairs • Central Cross Web Filler • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket

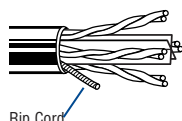
| | | | | | | | | | | | | | | | | | | | |
|--------------|-----------------|------|--------------------|------|-------|------|------|--------|------|-----|-----|----|-------|------|------|------|------|--------|------|
| White - Reel | 24586385 | NEC: | 4 | 1000 | 304.8 | 29.1 | 13.2 | .245 | 6.22 | 6.6 | 3.0 | 50 | 0.772 | 1.7 | 80.0 | 78.3 | 74.0 | 100±12 | — |
| Blue - Reel | 24586985 | CMR | | | | | | | | | | | 1.0 | 1.8 | 78.3 | 76.5 | 71.8 | 100±12 | 20.0 |
| | | CEC: | | | | | | | | | | | 4.0 | 3.4 | 69.3 | 65.9 | 59.7 | 100±12 | 23.0 |
| | | CMR | | | | | | | | | | | 8.0 | 4.8 | 64.8 | 60.0 | 53.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 10.0 | 5.3 | 63.3 | 58.0 | 51.8 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 16.0 | 6.8 | 60.3 | 53.5 | 47.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 20.0 | 7.6 | 58.8 | 51.2 | 45.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 25.0 | 8.5 | 57.3 | 48.8 | 43.8 | 100±15 | 24.6 |
| | | | | | | | | | | | | | 31.25 | 9.6 | 55.9 | 46.3 | 41.9 | 100±15 | 24.2 |
| | | | | | | | | | | | | | 62.5 | 13.8 | 51.4 | 37.6 | 35.8 | 100±15 | 23.0 |
| | | | | | | | | | | | | | 100.0 | 17.8 | 48.3 | 30.5 | 31.8 | 100±15 | 22.1 |
| | | | | | | | | | | | | | 200.0 | 26.2 | 43.8 | 17.6 | 25.7 | 100±15 | 20.9 |
| | | | | | | | | | | | | | 250.0 | 29.7 | 42.3 | 12.6 | 23.8 | 100±20 | 20.5 |
| | | | 300.0 | 33.0 | 41.2 | 8.2 | 22.2 | 100±20 | 20.2 | | | | | | | | | | |
| | | | 350.0 | 36.1 | 40.2 | 4.1 | 20.9 | 100±22 | 19.9 | | | | | | | | | | |
| | | | 400.0 | 39.0 | 39.3 | 0.3 | 19.7 | 100±22 | 19.7 | | | | | | | | | | |
| | | | 450.0 [Ⓟ] | 41.8 | 38.5 | -3.3 | 18.7 | 100±22 | 19.5 | | | | | | | | | | |
| | | | 500.0 [Ⓟ] | 44.5 | 37.8 | -6.7 | 17.8 | 100±22 | 19.3 | | | | | | | | | | |
| | | | 550.0 [Ⓟ] | 47.1 | 37.2 | -9.9 | 16.9 | 100±22 | 19.1 | | | | | | | | | | |



Jacket sequentially marked at 2 ft. intervals.
 Featuring Descending Length Marking.
 Third party verified to TIA/EIA-568-B.2-1, Category 6

Non-Plenum • Polyolefin Insulation - LSZH Polymer Alloy

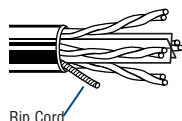
| | | | | | | | | | | | | | | | | | | | |
|---------------|-----------------|------|--------------------|------|-------|------|------|--------|------|-----|-----|----|-------|------|------|------|------|--------|------|
| Purple - Reel | 24588085 | NEC: | 4 | 1000 | 304.8 | 31.1 | 14.1 | .246 | 6.10 | 6.6 | 3.0 | 50 | 0.772 | 1.7 | 80.0 | 78.3 | 74.0 | 100±12 | — |
| | | CMR | | | | | | | | | | | 1.0 | 1.8 | 78.3 | 76.5 | 71.8 | 100±12 | 20.0 |
| | | CEC: | | | | | | | | | | | 4.0 | 3.4 | 69.3 | 65.9 | 59.7 | 100±12 | 23.0 |
| | | CMR | | | | | | | | | | | 8.0 | 4.8 | 64.8 | 60.0 | 53.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 10.0 | 5.3 | 63.3 | 58.0 | 51.8 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 16.0 | 6.8 | 60.3 | 53.5 | 47.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 20.0 | 7.6 | 58.8 | 51.2 | 45.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 25.0 | 8.5 | 57.3 | 48.8 | 43.8 | 100±15 | 24.6 |
| | | | | | | | | | | | | | 31.25 | 9.6 | 55.9 | 46.3 | 41.9 | 100±15 | 24.2 |
| | | | | | | | | | | | | | 62.5 | 13.8 | 51.4 | 37.6 | 35.8 | 100±15 | 23.0 |
| | | | | | | | | | | | | | 100.0 | 17.8 | 48.3 | 30.5 | 31.8 | 100±15 | 22.1 |
| | | | | | | | | | | | | | 200.0 | 26.2 | 43.8 | 17.6 | 25.7 | 100±15 | 20.9 |
| | | | | | | | | | | | | | 250.0 | 29.7 | 42.3 | 12.6 | 23.8 | 100±20 | 20.5 |
| | | | 300.0 | 33.0 | 41.2 | 8.2 | 22.2 | 100±20 | 20.2 | | | | | | | | | | |
| | | | 350.0 | 36.1 | 40.2 | 4.1 | 20.9 | 100±22 | 19.9 | | | | | | | | | | |
| | | | 400.0 | 39.0 | 39.3 | 0.3 | 19.7 | 100±22 | 19.7 | | | | | | | | | | |
| | | | 450.0 [Ⓟ] | 41.8 | 38.5 | -3.3 | 18.7 | 100±22 | 19.5 | | | | | | | | | | |
| | | | 500.0 [Ⓟ] | 44.5 | 37.8 | -6.7 | 17.8 | 100±22 | 19.3 | | | | | | | | | | |
| | | | 550.0 [Ⓟ] | 47.1 | 37.2 | -9.9 | 16.9 | 100±22 | 19.1 | | | | | | | | | | |



Jacket sequentially marked at 2 ft. intervals.
 Featuring Descending Length Marking.
 Third party verified to TIA/EIA-568-B.2-1, Category 6

Plenum • 100% FEP Insulation - LSZH Polymer Alloy

| | | | | | | | | | | | | | | | | | | | |
|--------------|-----------------|------|--------------------|------|-------|------|------|--------|------|-----|-----|----|-------|------|------|------|------|--------|------|
| White - Reel | 24587385 | NEC: | 4 | 1000 | 304.8 | 30.7 | 13.9 | .229 | 5.81 | 6.6 | 3.0 | 50 | 0.772 | 1.7 | 80.0 | 78.3 | 74.0 | 100±12 | — |
| Blue - Reel | 24587985 | CMP | | | | | | | | | | | 1.0 | 1.8 | 78.3 | 76.5 | 71.8 | 100±12 | 20.0 |
| | | CEC: | | | | | | | | | | | 4.0 | 3.4 | 69.3 | 65.9 | 59.7 | 100±12 | 23.0 |
| | | CMP | | | | | | | | | | | 8.0 | 4.8 | 64.8 | 60.0 | 53.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 10.0 | 5.3 | 63.3 | 58.0 | 51.8 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 16.0 | 6.8 | 60.3 | 53.5 | 47.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 20.0 | 7.6 | 58.8 | 51.2 | 45.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | | 25.0 | 8.5 | 57.3 | 48.8 | 43.8 | 100±15 | 24.6 |
| | | | | | | | | | | | | | 31.25 | 9.6 | 55.9 | 46.3 | 41.9 | 100±15 | 24.2 |
| | | | | | | | | | | | | | 62.5 | 13.8 | 51.4 | 37.6 | 35.8 | 100±15 | 23.0 |
| | | | | | | | | | | | | | 100.0 | 17.8 | 48.3 | 30.5 | 31.8 | 100±15 | 22.1 |
| | | | | | | | | | | | | | 200.0 | 26.2 | 43.8 | 17.6 | 25.7 | 100±15 | 20.9 |
| | | | | | | | | | | | | | 250.0 | 29.7 | 42.3 | 12.6 | 23.8 | 100±20 | 20.5 |
| | | | 300.0 | 33.0 | 41.2 | 8.2 | 22.2 | 100±20 | 20.2 | | | | | | | | | | |
| | | | 350.0 | 36.1 | 40.2 | 4.1 | 20.9 | 100±22 | 19.9 | | | | | | | | | | |
| | | | 400.0 | 39.0 | 39.3 | 0.3 | 19.7 | 100±22 | 19.7 | | | | | | | | | | |
| | | | 450.0 [Ⓟ] | 41.8 | 38.5 | -3.3 | 18.7 | 100±22 | 19.5 | | | | | | | | | | |
| | | | 500.0 [Ⓟ] | 44.5 | 37.8 | -6.7 | 17.8 | 100±22 | 19.3 | | | | | | | | | | |
| | | | 550.0 [Ⓟ] | 47.1 | 37.2 | -9.9 | 16.9 | 100±22 | 19.1 | | | | | | | | | | |



Jacket sequentially marked at 2 ft. intervals.
 Featuring Descending Length Marking.
 Third party verified to TIA/EIA-568-B.2-1, Category 6

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

[Ⓟ]Values provided for information only.

Color Codes: GigaFlex 4800LX

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

MediaTwist® UTP Cable

TIA/EIA-568-B.2-1, Category 6

Enhanced Category 6 Bonded-Pair Cables

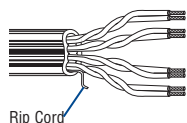
Certified System Cable

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Pairs | Standard Lengths | | Standard Unit Wt. | | Nominal OD | | Max. DCR (Ω/100m) | Max. DCR Unbal. (%) | Max. Cap. Unbal. (pF/100m) | Freq. (MHz) | Max. Atten. (dB/100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/100m) | Min. PSUM ELFEXT (dB/100m) | Input Imped. (Ω) | Min. RL (dB) |
|-------------|----------|------------------------|--------------|------------------|---|-------------------|----|------------|----|-------------------|---------------------|----------------------------|-------------|-----------------------|---------------------|-------------------------|----------------------------|------------------|--------------|
| | | | | Ft. | m | Lbs. | kg | Inch | mm | | | | | | | | | | |

23 AWG Bonded-Pairs Solid Bare Copper Conductor • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket (Blue, Red, Yellow, Orange, Green, Gold, Purple, White, Black or Gray)

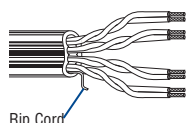
| Part No. | UL NEC/ C(UL) CEC Type | No. of Pairs | Standard Lengths (Ft./m) | Standard Unit Wt. (Lbs./kg) | Nominal OD (Inch/mm) | Max. DCR (Ω/100m) | Max. DCR Unbal. (%) | Max. Cap. Unbal. (pF/100m) | Freq. (MHz) | Max. Atten. (dB/100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/100m) | Min. PSUM ELFEXT (dB/100m) | Input Imped. (Ω) | Min. RL (dB) | | | |
|----------|------------------------|--------------|--------------------------|-----------------------------|----------------------|-------------------|---------------------|----------------------------|-------------|-----------------------|---------------------|-------------------------|----------------------------|------------------|--------------|------|--------|------|
| 1872A | NEC: | 4 | 1000 | 304.8 | 37.0 | 16.8 | .365 | 9.27 | 9.0 | 3.0 | 49.2 | 1 | 1.9 | 72.3 | 70 | 64.8 | 100±12 | 20.0 |
| | CMR | | | | | | | | | | | 4 | 3.7 | 63.3 | 59 | 52.8 | 100±12 | 23.0 |
| | CEC: | | | | | | | | | | | 8 | 5.3 | 58.8 | 53 | 46.7 | 100±12 | 24.5 |
| | CMR | | | | | | | | | | | 10 | 5.9 | 57.3 | 51 | 44.8 | 100±12 | 25.0 |
| | | | | | | | | | | | | 16 | 7.5 | 54.3 | 46 | 40.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | 25 | 9.5 | 51.4 | 42 | 36.8 | 100±15 | 24.3 |
| | | | | | | | | | | | | 31.25 | 10.6 | 49.9 | 39 | 34.9 | 100±15 | 23.6 |
| | | | | | | | | | | | | 62.5 | 15.4 | 45.4 | 30 | 28.9 | 100±15 | 21.5 |
| | | | | | | | | | | | | 100 | 19.8 | 42.3 | 25 | 24.8 | 100±15 | 21.0 |
| | | | | | | | | | | | | 155 | 25.1 | 39.5 | 14 | 20.9 | 100±15 | 21.0 |
| | | | | | | | | | | | | 200 | 29.0 | 37.8 | 10 | 18.8 | 100±15 | 21.0 |
| | | | | | | | | | | | | 250 | 32.8 | 36.3 | 3 | 16.8 | 100±20 | 18.0 |
| | 300 | 35.2 | 35.2 | >0 | 15.2 | 100±20 | 18.0 | | | | | | | | | | | |
| | 350 | 39.8 | 34.2 | — | 13.9 | 100±22 | 17.0 | | | | | | | | | | | |
| | 400 | 43.0 | — | — | — | 100±32 | 14.0 | | | | | | | | | | | |
| | 500 | 49.0 | — | — | — | 100±32 | 14.0 | | | | | | | | | | | |



*A-1000 ft. put-up not available in Black.
 Features Descending Length Marking.
 Jacket sequentially marked at 2 ft. intervals.
 U.S. Patents 5,606,151; 5,734,126; 5,821,467
 Third party verified to TIA/EIA-568-B.2-1, Category 6

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Blue, Natural, Gray, Red, Yellow, Orange, Green, Gold, Purple, White or Black)

| Part No. | UL NEC/ C(UL) CEC Type | No. of Pairs | Standard Lengths (Ft./m) | Standard Unit Wt. (Lbs./kg) | Nominal OD (Inch/mm) | Max. DCR (Ω/100m) | Max. DCR Unbal. (%) | Max. Cap. Unbal. (pF/100m) | Freq. (MHz) | Max. Atten. (dB/100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/100m) | Min. PSUM ELFEXT (dB/100m) | Input Imped. (Ω) | Min. RL (dB) | | | |
|----------|------------------------|--------------|--------------------------|-----------------------------|----------------------|-------------------|---------------------|----------------------------|-------------|-----------------------|---------------------|-------------------------|----------------------------|------------------|--------------|------|--------|------|
| 1874A | NEC: | 4 | 1000 | 304.8 | 37.0 | 16.8 | .365 | 9.27 | 9.0 | 3.0 | 49.2 | 1 | 1.9 | 72.3 | 70 | 64.8 | 100±12 | 20.0 |
| | CMP | | | | | | | | | | | 4 | 3.7 | 63.3 | 59 | 52.8 | 100±12 | 23.0 |
| | CEC: | | | | | | | | | | | 8 | 5.3 | 58.8 | 53 | 46.7 | 100±12 | 24.5 |
| | CMP | | | | | | | | | | | 10 | 5.9 | 57.3 | 51 | 44.8 | 100±12 | 25.0 |
| | | | | | | | | | | | | 16 | 7.5 | 54.3 | 46 | 40.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | 25 | 9.5 | 51.4 | 42 | 36.8 | 100±15 | 24.3 |
| | | | | | | | | | | | | 31.25 | 10.6 | 49.9 | 39 | 34.9 | 100±15 | 23.6 |
| | | | | | | | | | | | | 62.5 | 15.4 | 45.4 | 30 | 28.9 | 100±15 | 21.5 |
| | | | | | | | | | | | | 100 | 19.8 | 42.3 | 25 | 24.8 | 100±15 | 21.0 |
| | | | | | | | | | | | | 155 | 25.1 | 39.5 | 14 | 20.9 | 100±15 | 21.0 |
| | | | | | | | | | | | | 200 | 29.0 | 37.8 | 10 | 18.8 | 100±15 | 21.0 |
| | | | | | | | | | | | | 250 | 32.8 | 36.3 | 3 | 16.8 | 100±20 | 18.0 |
| | 300 | 35.2 | 35.2 | >0 | 15.2 | 100±20 | 18.0 | | | | | | | | | | | |
| | 350 | 39.8 | 34.2 | — | 13.9 | 100±22 | 17.0 | | | | | | | | | | | |
| | 400 | 43.0 | — | — | — | 100±32 | 14.0 | | | | | | | | | | | |
| | 500 | 49.0 | — | — | — | 100±32 | 14.0 | | | | | | | | | | | |



**A-1000 ft. put-up not available in Black.
 Features Descending Length Marking.
 Jacket sequentially marked at 2 ft. intervals.
 U.S. Patents 5,606,151; 5,734,126; 5,821,467
 Third party verified to TIA/EIA-568-B.2-1, Category 6

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)
 *Values provided for information only.

⚠ Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Color Codes: MediaTwist

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

Teflon is a DuPont trademark.

Get the Bonded-Pairs Cable Preparation Tool
 See page 15.40 for details.
 (Part No. 1797B)

GigaFlex 2400 Cable Series

TIA/EIA-568-B.2-1, Category 6

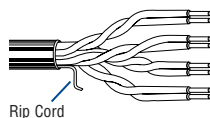
Enhanced Category 6 Nonbonded-pair Cables

Certified System Cable

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Pairs | Standard Lengths | | Standard Unit Wt. | | Nominal OD | | Max. DCR (Ω/100m) | Max. DCR Unbal. (%) | Max. Cap. Unbal. (pF/100m) | Freq. (MHz) | Max. Atten. (dB/100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/100m) | Min. PSUM ELFEXT (dB/100m) | Input Imped. (Ω) | Min. RL (dB) |
|-------------|----------|------------------------|--------------|------------------|---|-------------------|----|------------|----|-------------------|---------------------|----------------------------|-------------|-----------------------|---------------------|-------------------------|----------------------------|------------------|--------------|
| | | | | Ft. | m | Lbs. | kg | Inch | mm | | | | | | | | | | |

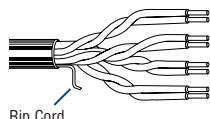
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)

| Non-Plenum • Polyolefin Insulation • PVC Jacket | | | | | | | | | | | | | | | | | | | |
|--|-----------------|------|---|------|-------|------|------|------|------|------|-----|-----|--------------------|------|------|-------|------|--------|------|
| White, Reel-in-Box | 24566315 | NEC: | 4 | 1000 | 304.8 | 26.0 | 11.8 | .214 | 5.44 | 9.38 | 5.0 | 330 | 0.772 | 1.8 | 75.0 | 73.2 | 70.0 | 100±15 | 19.7 |
| Blue, Reel-in-Box | 24566915 | CMR | | | | | | | | | | | 1.0 | 2.0 | 73.3 | 71.3 | 67.8 | 100±15 | 20.0 |
| White, Reel | 24566345 | CEC: | | | | | | | | | | | 4.0 | 3.7 | 64.3 | 60.6 | 55.8 | 100±15 | 23.0 |
| Blue, Reel | 24566945 | CMR | | | | | | | | | | | 8.0 | 5.2 | 59.8 | 54.6 | 49.7 | 100±15 | 24.5 |
| | | | | | | | | | | | | | 10.0 | 5.8 | 58.3 | 52.5 | 47.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 16.0 | 7.4 | 55.2 | 47.9 | 43.7 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 20.0 | 8.3 | 53.8 | 45.5 | 41.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 25.0 | 9.3 | 52.3 | 43.1 | 39.8 | 100±15 | 24.3 |
| | | | | | | | | | | | | | 31.25 | 10.4 | 50.9 | 40.5 | 37.9 | 100±15 | 23.6 |
| | | | | | | | | | | | | | 62.5 | 15.0 | 46.4 | 31.4 | 31.9 | 100±15 | 21.5 |
| | | | | | | | | | | | | | 100.0 | 19.3 | 43.3 | 24.0 | 27.8 | 100±15 | 20.1 |
| | | | | | | | | | | | | | 200.0 | 28.3 | 38.8 | 10.5 | 21.8 | 100±22 | 18.0 |
| | | | | | | | | | | | | | 250.0 | 32.1 | 37.3 | 5.3 | 19.8 | 100±32 | 17.3 |
| | | | | | | | | | | | | | 300.0 [¶] | 35.6 | 36.1 | 0.5 | 18.3 | 100±32 | 16.8 |
| | | | | | | | | | | | | | 350.0 [¶] | 38.9 | 35.1 | -3.7 | 16.9 | 100±32 | 16.3 |
| | | | | | | | | | | | | | 400.0 [¶] | 42.0 | 34.3 | -7.7 | 15.8 | 100±32 | 15.9 |
| | | | | | | | | | | | | | 450.0 [¶] | 45.0 | 33.5 | -11.5 | 14.7 | 100±32 | 15.5 |



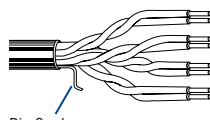
Jacket sequentially marked at 2 ft. intervals.
 Featuring Descending Length Marking.
 Third party verified to TIA/EIA-568-B.2-1, Category 6

| Non-Plenum • Polyolefin Insulation - LSZH Polymer Alloy | | | | | | | | | | | | | | | | | | | |
|--|-----------------|------|---|------|-------|------|------|------|------|------|-----|-----|--------------------|------|------|-------|------|--------|------|
| Purple, Reel | 24568005 | NEC: | 4 | 1000 | 304.8 | 28.0 | 12.7 | .214 | 5.44 | 9.38 | 5.0 | 330 | 0.772 | 1.8 | 75.0 | 73.2 | 70.0 | 100±15 | 19.7 |
| | | CMR | | | | | | | | | | | 1.0 | 2.0 | 73.3 | 71.3 | 67.8 | 100±15 | 20.0 |
| | | CEC: | | | | | | | | | | | 4.0 | 3.7 | 64.3 | 60.6 | 55.8 | 100±15 | 23.0 |
| | | CMR | | | | | | | | | | | 8.0 | 5.2 | 59.8 | 54.6 | 49.7 | 100±15 | 24.5 |
| | | | | | | | | | | | | | 10.0 | 5.8 | 58.3 | 52.5 | 47.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 16.0 | 7.4 | 55.2 | 47.9 | 43.7 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 20.0 | 8.3 | 53.8 | 45.5 | 41.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 25.0 | 9.3 | 52.3 | 43.1 | 39.8 | 100±15 | 24.3 |
| | | | | | | | | | | | | | 31.25 | 10.4 | 50.9 | 40.5 | 37.9 | 100±15 | 23.6 |
| | | | | | | | | | | | | | 62.5 | 15.0 | 46.4 | 31.4 | 31.9 | 100±15 | 21.5 |
| | | | | | | | | | | | | | 100.0 | 19.3 | 43.3 | 24.0 | 27.8 | 100±15 | 20.1 |
| | | | | | | | | | | | | | 200.0 | 28.3 | 38.8 | 10.5 | 21.8 | 100±22 | 18.0 |
| | | | | | | | | | | | | | 250.0 | 32.1 | 37.3 | 5.3 | 19.8 | 100±32 | 17.3 |
| | | | | | | | | | | | | | 300.0 [¶] | 35.6 | 36.1 | 0.5 | 18.3 | 100±32 | 16.8 |
| | | | | | | | | | | | | | 350.0 [¶] | 38.9 | 35.1 | -3.7 | 16.9 | 100±32 | 16.3 |
| | | | | | | | | | | | | | 400.0 [¶] | 42.0 | 34.3 | -7.7 | 15.8 | 100±32 | 15.9 |
| | | | | | | | | | | | | | 450.0 [¶] | 45.0 | 33.5 | -11.5 | 14.7 | 100±32 | 15.5 |



Jacket sequentially marked at 2 ft. intervals.
 Featuring Descending Length Marking.
 Third party verified to TIA/EIA-568-B.2-1, Category 6

| Plenum • 100% FEP Insulation • Low-Smoke PVC Jacket | | | | | | | | | | | | | | | | | | | |
|--|-----------------|------|---|------|-------|------|------|------|------|------|-----|-----|--------------------|------|------|-------|------|--------|------|
| White, Reel-in-Box | 24567315 | NEC: | 4 | 1000 | 304.8 | 24.0 | 10.9 | .210 | 5.33 | 9.38 | 5.0 | 330 | 0.772 | 1.8 | 75.0 | 73.2 | 70.0 | 100±15 | 19.7 |
| Blue, Reel-in-Box | 24567915 | CMP | | | | | | | | | | | 1.0 | 2.0 | 73.3 | 71.3 | 67.8 | 100±15 | 20.0 |
| White, Reel | 24567345 | CEC: | | | | | | | | | | | 4.0 | 3.7 | 64.3 | 60.6 | 55.8 | 100±15 | 23.0 |
| Blue, Reel | 24567945 | CMP | | | | | | | | | | | 8.0 | 5.2 | 59.8 | 54.6 | 49.7 | 100±15 | 24.5 |
| | | | | | | | | | | | | | 10.0 | 5.8 | 58.3 | 52.5 | 47.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 16.0 | 7.4 | 55.2 | 47.9 | 43.7 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 20.0 | 8.3 | 53.8 | 45.5 | 41.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 25.0 | 9.3 | 52.3 | 43.1 | 39.8 | 100±15 | 24.3 |
| | | | | | | | | | | | | | 31.25 | 10.4 | 50.9 | 40.5 | 37.9 | 100±15 | 23.6 |
| | | | | | | | | | | | | | 62.5 | 15.0 | 46.4 | 31.4 | 31.9 | 100±15 | 21.5 |
| | | | | | | | | | | | | | 100.0 | 19.3 | 43.3 | 24.0 | 27.8 | 100±15 | 20.1 |
| | | | | | | | | | | | | | 200.0 | 28.3 | 38.8 | 10.5 | 21.8 | 100±22 | 18.0 |
| | | | | | | | | | | | | | 250.0 | 32.1 | 37.3 | 5.3 | 19.8 | 100±32 | 17.3 |
| | | | | | | | | | | | | | 300.0 [¶] | 35.6 | 36.1 | 0.5 | 18.3 | 100±32 | 16.8 |
| | | | | | | | | | | | | | 350.0 [¶] | 38.9 | 35.1 | -3.7 | 16.9 | 100±32 | 16.3 |
| | | | | | | | | | | | | | 400.0 [¶] | 42.0 | 34.3 | -7.7 | 15.8 | 100±32 | 15.9 |
| | | | | | | | | | | | | | 450.0 [¶] | 45.0 | 33.5 | -11.5 | 14.7 | 100±32 | 15.5 |



Jacket sequentially marked at 2 ft. intervals.
 Featuring Descending Length Marking.
 Third party verified to TIA/EIA-568-B.2-1, Category 6

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

[¶]Values provided for information only.

Color Codes: GigaFlex 2400

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



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

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

DataTwist® 350 UTP Cable

TIA/EIA-568-B.2, Category 5e

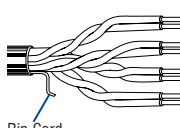
Enhanced Category 5e Bonded-Pair Cables

Certified System Cable

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Pairs | Standard Lengths | | Standard Unit Wt. | | Nominal OD | | Max. DCR (Ω/ 100m) | Max. DCR Unbal. (%) | Max. Cap. Unbal. (pF/ 100m) | Freq. (MHz) | Max. Atten. (dB/ 100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/ 100m) | Min. PSUM ELFEXT (dB/ 100m) | Input Imped. (Ω) | Min. RL (dB) |
|-------------|----------|------------------------|--------------|------------------|---|-------------------|----|------------|----|--------------------|---------------------|-----------------------------|-------------|------------------------|---------------------|--------------------------|-----------------------------|------------------|--------------|
| | | | | Ft. | m | Lbs. | kg | Inch | mm | | | | | | | | | | |

24 AWG Bonded-Pairs Solid Bare Copper Conductors • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket (Red, Orange, White, Black, Yellow, Green, Blue, Purple, Light Gray or Gray)

| | | | | | | | | | | | | | | | | | | | | |
|--|---------------|------|-----|-----------|---------|--------|------|------|-------|-----|-----|------|------|-------|------|------|--------|--------|--------|------|
|  | 1700A | NEC: | 4 | U-1000 | U-304.8 | 22.0 | 10.0 | .200 | 5.08 | 9.0 | 3.0 | 66.0 | 1 | 2.0 | 65.3 | 63.3 | 60.8 | 100±12 | 20.0 | |
| | | CM | | | 1000 † | 304.8 | 22.0 | 10.0 | | | | | | 4 | 4.0 | 56.3 | 52.3 | 48.8 | 100±12 | 23.0 |
| | | CEC: | | | 1640 † | 500.0 | 36.1 | 16.4 | | | | | | 8 | 5.7 | 51.8 | 46.1 | 42.7 | 100±12 | 24.5 |
| | | CM | | | 3000 † | 914.4 | 63.0 | 28.6 | | | | | | 10 | 6.4 | 50.3 | 43.9 | 40.8 | 100±12 | 25.0 |
| | | | | | 3280 † | 1000.0 | 72.2 | 32.8 | | | | | | 16 | 8.1 | 47.3 | 39.1 | 36.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | | | 25 | 10.3 | 44.3 | 34.1 | 32.8 | 100±15 | 24.3 |
| | | | | | | | | | | | | | | 31.25 | 11.6 | 42.9 | 31.3 | 30.9 | 100±15 | 23.6 |
| | | | | | | | | | | | | | | 62.5 | 16.8 | 38.4 | 21.6 | 24.9 | 100±15 | 21.5 |
| | | | | | | | | | | | | | | 100 | 21.7 | 35.3 | 17.1 | 20.8 | 100±15 | 20.1 |
| | | | | | | | | | | | | | | 155 | 27.7 | 32.5 | 4.7 | 16.9 | 100±18 | 19.0 |
| | | | | | | | | | | | | 200 | 32.0 | 30.8 | 3.0 | 14.7 | 100±18 | 19.0 | | |
| | | | | | | | | | | | | 250 | 36.4 | 29.3 | — | 12.8 | 100±20 | 18.0 | | |
| | | | | | | | | | | | | 350 | 44.3 | 27.2 | — | 9.9 | 100±22 | 17.0 | | |
| | 1702A* | NEC: | 2x4 | 1000 * | 304.8 | 45.0 | 20.4 | .200 | 5.08 | | | | | | | | | | | |
| | | CM | | 1640 * | 500.0 | 73.8 | 33.5 | | x | x | | | | | | | | | | |
| | | CEC: | | | | | | .415 | 10.54 | | | | | | | | | | | |
| | | CM | | | | | | | | | | | | | | | | | | |
| | 1700R | NEC: | 4 | U-1000 †† | U-304.8 | 22.0 | 10.0 | .204 | 5.18 | | | | | | | | | | | |
| | | CMR | | 1000 †† | 304.8 | 22.0 | 10.0 | | | | | | | | | | | | | |
| | | CEC: | | 3000 †† | 914.4 | 63.0 | 28.6 | | | | | | | | | | | | | |
| | | CMR | | | | | | | | | | | | | | | | | | |

*1702A is Siamese version of 1700A and is available in Blue or Light Gray only.

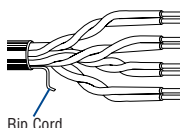
†1000 ft. put-up not available in Gray. 3000 ft. put-up available in Red, Blue, White or Lt. Gray only. 1640 ft. available in Lt. Gray or Blue only. 3280 ft. available in Lt. Gray only.

††1700R is not available in Black nor Medium Gray. 3000 ft. put-up available in Red, Blue, Purple, White or Light Gray only.

Third party verified to TIA/EIA-568-B.2, Category 5e

Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

Plenum • FEP Teflon® Insulation • Flamarrist® Jacket (Available in Red, Orange, Gray, Yellow, Green, Blue, Purple, Natural or Black)

| | | | | | | | | | | | | | | | | | | | | |
|--|----------------|------|-----|---------|---------|-------|------|------|-------|-----|-----|------|------|-------|------|------|--------|--------|--------|------|
|  | 1701A | NEC: | 4 | U-1000 | U-304.8 | 23.0 | 10.5 | .195 | 4.95 | 9.0 | 3.0 | 66.0 | 1 | 2.0 | 65.3 | 63.3 | 60.8 | 100±12 | 20.0 | |
| | | CMP | | | 1000 | 304.8 | 24.0 | 10.9 | | | | | | 4 | 4.0 | 56.3 | 52.3 | 48.8 | 100±12 | 23.0 |
| | | CEC: | | | 3000 † | 914.4 | 69.0 | 31.3 | | | | | | 8 | 5.7 | 51.8 | 46.1 | 42.7 | 100±12 | 24.5 |
| | | CMP | | | | | | | | | | | | 10 | 6.4 | 50.3 | 43.9 | 40.8 | 100±12 | 25.0 |
| | | | | | | | | | | | | | | 16 | 8.1 | 47.3 | 39.1 | 36.7 | 100±12 | 25.0 |
| | | | | | | | | | | | | | | 25 | 10.3 | 44.3 | 34.1 | 32.8 | 100±15 | 24.3 |
| | | | | | | | | | | | | | | 31.25 | 11.6 | 42.9 | 31.3 | 30.9 | 100±15 | 23.6 |
| | | | | | | | | | | | | | | 62.5 | 16.8 | 38.4 | 21.6 | 24.9 | 100±15 | 21.5 |
| | | | | | | | | | | | | | | 100 | 21.7 | 35.3 | 17.1 | 20.8 | 100±15 | 20.1 |
| | | | | | | | | | | | | | | 155 | 27.7 | 32.5 | 4.7 | 16.9 | 100±18 | 19.0 |
| | | | | | | | | | | | | 200 | 32.0 | 30.8 | 3.0 | 14.7 | 100±20 | 19.0 | | |
| | | | | | | | | | | | | 250 | 36.4 | 29.3 | — | 12.8 | 100±20 | 18.0 | | |
| | | | | | | | | | | | | 350 | 44.3 | 27.2 | — | 9.9 | 100±22 | 17.0 | | |
| | 1703A** | NEC: | 2x4 | 1000 †† | 304.8 | 46.0 | 20.9 | .195 | 4.95 | | | | | | | | | | | |
| | | CMP | | | | | | x | x | | | | | | | | | | | |
| | | CEC: | | | | | | .405 | 10.29 | | | | | | | | | | | |
| | | CMP | | | | | | | | | | | | | | | | | | |

**1703A is Siamese version of 1701A.

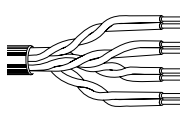
†3000 ft. put-up available in Blue or Natural only.

††1000 ft. put-up available in Blue or Natural only.

Third party verified to TIA/EIA-568-B.2, Category 5e

Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

Plenum • FEP Teflon Insulation • FEP Jacket (Available in Blue or White)

| | | | | | | | | | | | | | | | | | | | | |
|--|---------------|---------------------|---|--------|---------|-------|------|------|------|-----|-----|------|------|-------|------|------|--------|--------|--------|------|
|  | 1701LC | NEC: | 4 | U-1000 | U-304.8 | 23.0 | 10.5 | .187 | 4.75 | 9.0 | 3.0 | 66.0 | 1 | 2.0 | 65.3 | 63.3 | 60.8 | 100±12 | 20.0 | |
| | | Limited Combustible | | | 1000 | 304.8 | 24.0 | 10.9 | | | | | | 4 | 4.0 | 56.3 | 52.3 | 48.8 | 100±12 | 23.0 |
| | | FHC 25/50 | | | | | | | | | | | | 8 | 5.7 | 51.8 | 46.1 | 42.7 | 100±12 | 24.5 |
| | | CMP | | | | | | | | | | | | 10 | 6.4 | 50.3 | 43.9 | 40.8 | 100±12 | 25.0 |
| | | CEC: | | | | | | | | | | | | 16 | 8.1 | 47.3 | 39.1 | 36.7 | 100±12 | 25.0 |
| | | CMP | | | | | | | | | | | | 25 | 10.3 | 44.3 | 34.1 | 32.8 | 100±15 | 24.3 |
| | | | | | | | | | | | | | | 31.25 | 11.6 | 42.9 | 31.3 | 30.9 | 100±15 | 23.6 |
| | | | | | | | | | | | | | | 62.5 | 16.8 | 38.4 | 21.6 | 24.9 | 100±15 | 21.5 |
| | | | | | | | | | | | | | | 100 | 21.7 | 35.3 | 17.1 | 20.8 | 100±15 | 20.1 |
| | | | | | | | | | | | | | | 155 | 27.7 | 32.5 | 4.7 | 16.9 | 100±18 | 19.0 |
| | | | | | | | | | | | | 200 | 32.0 | 30.8 | 3.0 | 14.7 | 100±20 | 19.0 | | |
| | | | | | | | | | | | | 250 | 36.4 | 29.3 | — | 12.8 | 100±20 | 18.0 | | |
| | | | | | | | | | | | | 350 | 44.3 | 27.2 | — | 9.9 | 100±22 | 17.0 | | |

1701LC does not have a rip cord.

Third party verified to TIA/EIA-568-B.2, Category 5e

Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: DataTwist 350

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

Teflon is a DuPont trademark.

Get the Bonded-Pairs Cable Preparation Tool

See page 15.40 for details.

(Part No. 1797B)



GigaFlex 1200 Cable Series

TIA/EIA-568-B.2, Category 5E

Enhanced Category 5 Nonbonded-pair Cables

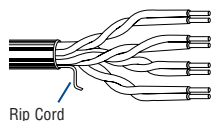
Certified System Cable

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Pairs | Standard Lengths | | Standard Unit Wt. | | Nominal OD | | Max. DCR (Ω/100m) | Max. DCR Unbal. (%) | Max. Cap. Unbal. (pF/100m) | Freq. (MHz) | Max. Atten. (dB/100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/100m) | Min. PSUM ELFEXT (dB/100m) | Input Imped. (Ω) | Min. RL (dB) |
|-------------|----------|------------------------|--------------|------------------|---|-------------------|----|------------|----|-------------------|---------------------|----------------------------|-------------|-----------------------|---------------------|-------------------------|----------------------------|------------------|--------------|
| | | | | Ft. | m | Lbs. | kg | Inch | mm | | | | | | | | | | |

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket

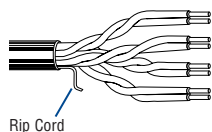
| | | | | | | | | | | | | | | | | | | | |
|-------------|----------|------|---|------|-------|------|------|------|------|------|-----|-----|--------------------|------|------|-------|------|--------|------|
| White, Box | 24570166 | NEC: | 4 | 1000 | 304.8 | 24.0 | 10.9 | .186 | 4.72 | 9.38 | 5.0 | 330 | 0.772 | 1.8 | 69.0 | 67.2 | 63.0 | 100±15 | — |
| Blue, Box | 24570161 | CMR | | | | | | | | | | | 1.0 | 2.0 | 67.3 | 65.3 | 60.8 | 100±15 | 20.0 |
| White, Reel | 24570460 | CEC: | | | | | | | | | | | 4.0 | 4.0 | 58.3 | 54.3 | 48.7 | 100±15 | 23.0 |
| Blue, Reel | 24570452 | CMR | | | | | | | | | | | 8.0 | 5.7 | 53.8 | 48.1 | 42.7 | 100±15 | 24.5 |
| | | | | | | | | | | | | | 10.0 | 6.3 | 52.3 | 46.0 | 40.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 16.0 | 8.1 | 49.3 | 41.2 | 36.7 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 20.0 | 9.1 | 47.8 | 38.7 | 34.7 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 25.0 | 10.2 | 46.3 | 36.1 | 32.8 | 100±15 | 24.3 |
| | | | | | | | | | | | | | 31.25 | 11.5 | 44.9 | 33.4 | 30.9 | 100±15 | 23.6 |
| | | | | | | | | | | | | | 62.5 | 16.7 | 40.4 | 23.7 | 24.8 | 100±15 | 21.5 |
| | | | | | | | | | | | | | 100.0 | 21.6 | 37.3 | 15.7 | 20.8 | 100±15 | 20.1 |
| | | | | | | | | | | | | | 200.0 [▲] | 31.9 | 32.8 | 0.9 | 14.7 | 100±22 | 18.0 |
| | | | | | | | | | | | | | 250.0 [▲] | 36.3 | 31.3 | -4.9 | 12.8 | 100±22 | 17.3 |
| | | | | | | | | | | | | | 300.0 [▲] | 40.3 | 30.2 | -10.2 | 11.2 | 100±22 | 16.8 |
| | | | | | | | | | | | | | 350.0 [▲] | 44.2 | 29.2 | -15.0 | 9.9 | 100±22 | 16.3 |



Jacket sequentially marked at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-B.2, Category 5e

Non-Plenum • Polyolefin Insulation - LSZH Polymer Alloy

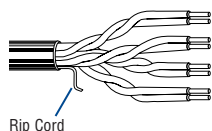
| | | | | | | | | | | | | | | | | | | | |
|--------|----------|------|---|------|-------|------|------|------|------|------|-----|-----|--------------------|------|------|-------|------|--------|------|
| Purple | 24570157 | NEC: | 4 | 1000 | 304.8 | 25.0 | 11.3 | .198 | 5.03 | 9.38 | 5.0 | 330 | 0.772 | 1.8 | 69.0 | 67.2 | 63.0 | 100±15 | — |
| | | CMR | | | | | | | | | | | 1.0 | 2.0 | 67.3 | 65.3 | 60.8 | 100±15 | 20.0 |
| | | CEC: | | | | | | | | | | | 4.0 | 4.0 | 58.3 | 54.3 | 48.7 | 100±15 | 23.0 |
| | | CMR | | | | | | | | | | | 8.0 | 5.7 | 53.8 | 48.1 | 42.7 | 100±15 | 24.5 |
| | | | | | | | | | | | | | 10.0 | 6.3 | 52.3 | 46.0 | 40.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 16.0 | 8.1 | 49.3 | 41.2 | 36.7 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 20.0 | 9.1 | 47.8 | 38.7 | 34.7 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 25.0 | 10.2 | 46.3 | 36.1 | 32.8 | 100±15 | 24.3 |
| | | | | | | | | | | | | | 31.25 | 11.5 | 44.9 | 33.4 | 30.9 | 100±15 | 23.6 |
| | | | | | | | | | | | | | 62.5 | 16.7 | 40.4 | 23.7 | 24.8 | 100±15 | 21.5 |
| | | | | | | | | | | | | | 100.0 | 21.6 | 37.3 | 15.7 | 20.8 | 100±15 | 20.1 |
| | | | | | | | | | | | | | 200.0 [▲] | 31.9 | 32.8 | 0.9 | 14.7 | 100±22 | 18.0 |
| | | | | | | | | | | | | | 250.0 [▲] | 36.3 | 31.3 | -4.9 | 12.8 | 100±22 | 17.3 |
| | | | | | | | | | | | | | 300.0 [▲] | 40.3 | 30.2 | -10.2 | 11.2 | 100±22 | 16.8 |
| | | | | | | | | | | | | | 350.0 [▲] | 44.2 | 29.2 | -15.0 | 9.9 | 100±22 | 16.3 |



Jacket sequentially marked at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-B.2, Category 5e

Plenum • Dual Insulation: Polyolefin / FEP • Low-Smoke PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|-------------|----------|------|---|------|-------|------|------|------|------|------|-----|-----|--------------------|------|------|-------|------|--------|------|
| White, Box | 24570810 | NEC: | 4 | 1000 | 304.8 | 22.0 | 9.98 | .188 | 4.78 | 9.38 | 5.0 | 330 | 0.772 | 1.8 | 69.0 | 67.2 | 63.0 | 100±15 | — |
| Blue, Box | 24570800 | CMP | | | | | | | | | | | 1.0 | 2.0 | 67.3 | 65.3 | 60.8 | 100±15 | 20.0 |
| White, Reel | 24570808 | CEC: | | | | | | | | | | | 4.0 | 4.0 | 58.3 | 54.3 | 48.7 | 100±15 | 23.0 |
| Blue, Reel | 24570812 | CMP | | | | | | | | | | | 8.0 | 5.7 | 53.8 | 48.1 | 42.7 | 100±15 | 24.5 |
| | | | | | | | | | | | | | 10.0 | 6.3 | 52.3 | 46.0 | 40.8 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 16.0 | 8.1 | 49.3 | 41.2 | 36.7 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 20.0 | 9.1 | 47.8 | 38.7 | 34.7 | 100±15 | 25.0 |
| | | | | | | | | | | | | | 25.0 | 10.2 | 46.3 | 36.1 | 32.8 | 100±15 | 24.3 |
| | | | | | | | | | | | | | 31.25 | 11.5 | 44.9 | 33.4 | 30.9 | 100±15 | 23.6 |
| | | | | | | | | | | | | | 62.5 | 16.7 | 40.4 | 23.7 | 24.8 | 100±15 | 21.5 |
| | | | | | | | | | | | | | 100.0 | 21.6 | 37.3 | 15.7 | 20.8 | 100±15 | 20.1 |
| | | | | | | | | | | | | | 200.0 [▲] | 31.9 | 32.8 | 0.9 | 14.7 | 100±22 | 18.0 |
| | | | | | | | | | | | | | 250.0 [▲] | 36.3 | 31.3 | -4.9 | 12.8 | 100±22 | 17.3 |
| | | | | | | | | | | | | | 300.0 [▲] | 40.3 | 30.2 | -10.2 | 11.2 | 100±22 | 16.8 |
| | | | | | | | | | | | | | 350.0 [▲] | 44.2 | 29.2 | -15.0 | 9.9 | 100±22 | 16.3 |



Jacket sequentially marked at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-B.2, Category 5e

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

[▲] Values provided for information only.

Color Codes: GigaFlex 1200

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