

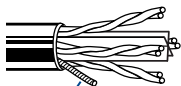
**DataTwist® 600e UTP Cable**

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 ( $\Omega$ / 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. ( $\Omega$ )	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										
<b>23 AWG Bonded-Pairs Solid Bare Copper Conductors • Patented E-Spline Center Member • Rip Cord • See Color Code Chart (below)</b>																			
<b>Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Black, White or Gray)</b>																			
	<b>7851A</b>	NEC: CMR CEC: CMR	4	1000 A-1000	304.8 A-304.8	38.0 47.0	17.2 21.3	.227 x .315	5.77 x 8.00	8.2	3.0	65.6	1 10 31.25 62.5 100 155 200 250 350 400 500 550 600	1.9 5.7 10.2 14.7 18.9 23.9 27.5 31.2 37.7 40.6 46.2 48.8 51.4	80.3 65.3 57.9 53.4 50.3 47.5 45.8 44.3 40.2 39.3 37.8 37.2 36.6	78.5 59.6 47.7 38.7 31.4 23.5 18.3 13.2 4.5 0.6 16.8 16.0 15.2	70.8 50.8 40.9 34.9 30.8 27.0 24.8 22.8 19.9 18.8 16.8 16.0 15.2	100±12 100±12 100±15 100±15 100±15 100±15 100±15 100±20 100±22 100±22 100±22 100±22 100±22	20.0 25.0 25.0 25.0 25.0 22.8 21.7 20.5 19.8 19.5 18.4 18.0 17.6



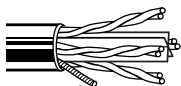
Rip Cord

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.

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



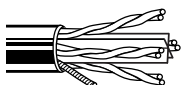
Rip Cord

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.

<b>Plenum • FEP Teflon® Insulation • Flammarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Black, White or Gray)</b>																			
	<b>7852A</b>	NEC: CMP CEC: CMP	4	1000 A-1000†	304.8 A-304.8	40.0 49.0	18.1 22.2	.218 x .290	5.54 x 7.37	8.2	3.0	65.6	1 10 31.25 62.5 100 155 200 250 350 400 500 550 600	1.9 5.7 10.2 14.7 18.9 23.9 27.5 31.2 37.7 40.6 46.2 48.8 51.4	80.3 65.3 57.9 53.4 50.3 47.5 45.8 44.3 40.2 39.3 37.8 37.2 36.6	78.5 59.6 47.7 38.7 31.4 23.5 18.3 13.2 4.5 0.6 16.8 16.0 15.2	70.8 50.8 40.9 34.9 30.8 27.0 24.8 22.8 19.9 18.8 16.8 16.0 15.2	100±12 100±12 100±15 100±15 100±15 100±15 100±15 100±20 100±22 100±22 100±22 100±22 100±22	20.0 25.0 25.0 25.0 25.0 22.8 21.7 20.5 19.8 19.5 18.4 18.0 17.6



Rip Cord

† 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 &gt;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

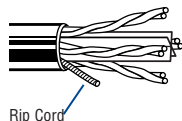
**Certified System Cable**

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

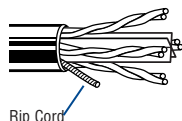
White - Reel	<b>24586385</b>	NEC:	4	1000	304.8	29.1	13.2	.245	6.22	6.6	3.0	50	0.772	1.7	80.0	78.3	74.0	100±12	—
Blue - Reel	<b>24586985</b>	CMR											1.0	1.8	78.3	76.5	71.8	100±12	20.0
		CEC:											4.0	3.4	69.3	65.9	59.7	100±12	23.0
		CMR											8.0	4.8	64.8	60.0	53.7	100±12	25.0
													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 <sup>Ⓟ</sup>	41.8	38.5	-3.3	18.7	100±22	19.5										
			500.0 <sup>Ⓟ</sup>	44.5	37.8	-6.7	17.8	100±22	19.3										
			550.0 <sup>Ⓟ</sup>	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

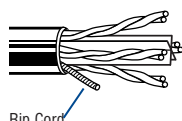
Purple - Reel	<b>24588085</b>	NEC:	4	1000	304.8	31.1	14.1	.246	6.10	6.6	3.0	50	0.772	1.7	80.0	78.3	74.0	100±12	—
		CMR											1.0	1.8	78.3	76.5	71.8	100±12	20.0
		CEC:											4.0	3.4	69.3	65.9	59.7	100±12	23.0
		CMR											8.0	4.8	64.8	60.0	53.7	100±12	25.0
													10.0	5.3	63.3	58.0	51.8	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 <sup>Ⓟ</sup>	41.8	38.5	-3.3	18.7	100±22	19.5										
			500.0 <sup>Ⓟ</sup>	44.5	37.8	-6.7	17.8	100±22	19.3										
			550.0 <sup>Ⓟ</sup>	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	<b>24587385</b>	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	<b>24587985</b>	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 <sup>Ⓟ</sup>	41.8	38.5	-3.3	18.7	100±22	19.5										
			500.0 <sup>Ⓟ</sup>	44.5	37.8	-6.7	17.8	100±22	19.3										
			550.0 <sup>Ⓟ</sup>	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)

<sup>Ⓟ</sup>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

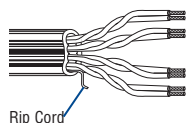
**Certified System Cable**

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)

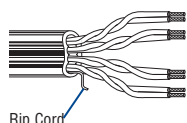
Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths (Ft./m)	Standard Unit Wt. (Lbs./kg)	Nominal OD (Inch/mm)	Max. DCR (Ω/100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/100m)	Min. PSUM ELFEXT (dB/100m)	Input Imped. (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											A-1000*	A-304.8	37.0	16.8	x	x	4	3.7	63.3	59	52.8	100±12	23.0	
	CEC:															.165	4.19	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 <sup>†</sup>	43.0	—	—	—	100±32	14.0											
								500 <sup>†</sup>	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							
	CMR											A-1000**	A-304.8	38.0	17.2	x	x	4	3.7	63.3	59	52.8	100±12	23.0	
	CEC:															.165	4.19	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 <sup>†</sup>	43.0	—	—	—	100±32	14.0											
								500 <sup>†</sup>	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)  
<sup>†</sup>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

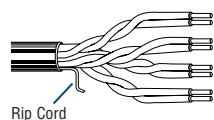
TIA/EIA-568-B.2-1, Category 6  
Enhanced Category 6 Nonbonded-pair Cables

**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										

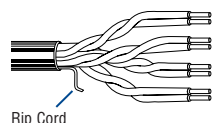
**24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**

Non-Plenum • Polyolefin Insulation • PVC Jacket																			
White, Reel-in-Box	<b>24566315</b>	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	<b>24566915</b>	CMR											1.0	2.0	73.3	71.3	67.8	100±15	20.0
White, Reel	<b>24566345</b>	CEC:											4.0	3.7	64.3	60.6	55.8	100±15	23.0
Blue, Reel	<b>24566945</b>	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



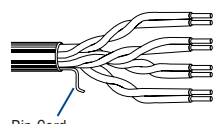
Jacket sequentially marked at 2 ft. intervals.  
Featuring Descending Length Marking.  
Third party verified to TIA/EIA-568-B.2-1, Category 6

Non-Plenum • Polyolefin Insulation - LSZH Polymer Alloy																			
Purple, Reel	<b>24568005</b>	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	<b>24567315</b>	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	<b>24567915</b>	CMP											1.0	2.0	73.3	71.3	67.8	100±15	20.0
White, Reel	<b>24567345</b>	CEC:											4.0	3.7	64.3	60.6	55.8	100±15	23.0
Blue, Reel	<b>24567945</b>	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](http://www.belden.com)

[Belden114@CableCon.kr](mailto:Belden114@CableCon.kr) / 0707-434-7704 / Fax. 02-744-0909 / [www.CableCon.co.kr](http://www.CableCon.co.kr)

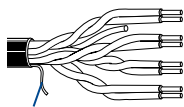
**DataTwist® 6 UTP Cable**

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

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR ( $\Omega$ / 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. ( $\Omega$ )	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										

**23 AWG** Solid Bare Copper Conductors • Twisted Pairs • Central Rod Filler • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	1000 Ft.	304.8 m	30.0 Lbs.	13.6 kg	.224 Inch	5.69 mm	8.2	5.0	330	1	2.0	72.3	70.3	64.8	100±15	20.0		
<b>7881A</b>	NEC:	4	1000	304.8	30.0	13.6	.224	5.69	8.2	5.0	330	1	2.0	72.3	70.3	64.8	100±15	20.0		
	CMR		A-1000	A-304.8	33.0	15.0							10	6.0	57.3	51.3	44.8	100±15	25.0	
	CEC:												20	8.5	52.8	44.3	38.8	100±15	25.0	
	CMR												31.25	10.7	49.9	39.2	34.9	100±15	23.6	
														62.5	15.4	45.4	30.0	28.9	100±15	21.5
														100	19.8	42.3	22.5	24.8	100±15	20.1
														200	29.0	37.8	8.8	18.8	100±22	18.0
												250	32.8	36.3	3.5	16.8	100±32	17.3		

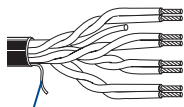


Rip Cord

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

**Plenum • Dual FRPO/FEP Insulation • Flamarrest® Jacket** (Avail. in Red, Orange, Yellow, Green, Blue, Purple, Gray, Natural or Black)

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	1000 Ft.	304.8 m	29.0 Lbs.	13.2 kg	.224 Inch	5.69 mm	8.2	5.0	330	1	2.0	72.3	70.3	64.8	100±15	20.0		
<b>7882A</b>	NEC:	4	1000	304.8	29.0	13.2	.224	5.69	8.2	5.0	330	1	2.0	72.3	70.3	64.8	100±15	20.0		
	CMR		A-1000	A-304.8	32.0	14.5							10	6.0	57.3	51.3	44.8	100±15	25.0	
	CEC:												20	8.5	52.8	44.3	38.8	100±15	25.0	
	CMR												31.25	10.7	49.9	39.2	34.9	100±15	23.6	
														62.5	15.4	45.4	30.0	28.9	100±15	21.5
														100	19.8	42.3	22.5	24.8	100±15	20.1
														200	29.0	37.8	8.8	18.8	100±22	18.0
												250	32.8	36.3	3.5	16.8	100±32	17.3		



Rip Cord

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

ACR = Attenuation Crosstalk Ratio • BC = Bare Copper • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene Propylene • FRPO = Flame-retardant Polyolefin • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

For either T568-A or T568-B configurations.

**Color Codes: DataTwist 6**

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

**DataTwist 6 Limited Combustible UTP Cable**

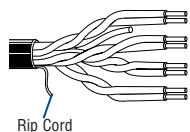
TIA/EIA 568-B.2-1, Category 6

Enhanced Category 6 Bonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR ( $\Omega$ / 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. ( $\Omega$ )	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										

**23 AWG Bonded-Pairs** • Solid Bare Copper Conductors • Twisted Pairs • Central Rod Filler • Rip Cord • See Color Code Chart (below)**Plenum • FEP Teflon® Insulation • FEP Jacket** (Available in Light Blue or White)

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Max. DCR ( $\Omega$ / 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. ( $\Omega$ )	Min. RL (dB)			
7813LC	NEC: Limited Combustible FHC 25/50 CMP CEC: CMP	4	1000	304.8	35.0	15.89	.214	5.44	8.2	5.0	330	1	2.0	72.3	70.3	64.8	100±15	20.0			
			U-1000	U-304.8	33.0	14.98								4	3.8	63.3	59.5	52.8	100±15	23.0	
															8	5.3	58.8	53.4	46.7	100±15	24.5
															10	6.0	57.3	51.3	44.8	100±15	25.0
															16	7.6	54.3	46.7	40.7	100±15	25.0
															20	8.5	52.8	44.3	38.8	100±15	25.0
															25	9.5	51.3	41.8	36.8	100±15	24.3
															31.25	10.7	49.9	39.2	34.9	100±15	23.6
															62.5	15.4	45.4	30.0	28.9	100±15	21.5
															100	19.8	42.3	22.5	24.8	100±15	20.1
															155	25.2	39.5	14.3	20.9	100±22	18.8
												200	29.0	37.8	8.8	18.8	100±22	18.0			
												250	32.8	36.3	3.5	16.8	100±32	17.3			



Jacket sequentially marked at 2 ft. intervals.

Features Descending Length Marking.

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

U.S. Patents 5,606,151 and 5,734,126

ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene Propylene • NEXT = Near-end Crosstalk • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Teflon is a DuPont trademark.

**Color Codes: DataTwist 6 LC**

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

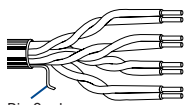
**VideoTwist® 6 UTP Cable for RGB Video**

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

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR ( $\Omega$ / 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. ( $\Omega$ )	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										

**23 AWG Bonded-Pairs** Solid BC Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polypropylene Insulation • PVC Jacket**

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	1000 Ft.	304.8 m	32.0 Lbs.	14.5 kg	.365 Inch	9.27 mm	9.0	3.0	49.2	1	2.0	72.3	70.3	64.8	100±15	20.0	
7989R	NEC:	4	1000	304.8	32.0	14.5	.365	9.27	9.0	3.0	49.2	1	2.0	72.3	70.3	64.8	100±15	20.0	
	CMR:		1640	500.0	52.5	23.8	x	x					4	3.8	63.3	59.5	52.7	100±15	23.0
	CEC:						.165	.412					10	6.0	57.3	51.3	44.8	100±15	25.0
	CMG:												16	7.6	54.3	46.7	40.7	100±15	25.0
													31.25	10.7	49.9	39.2	34.9	100±15	23.6
													62.5	15.4	45.4	30.0	28.8	100±15	21.5
													100	19.8	42.3	22.5	24.8	100±15	20.1
											200	29.0	37.8	8.8	18.7	100±22	18.0		
											250	32.8	36.3	3.5	16.8	100±32	17.3		

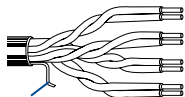


Rip Cord

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

**Plenum • FEP Insulation • Flamarrest® Jacket**

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	1000 Ft.	304.8 m	38.0 Lbs.	17.2 kg	.365 Inch	9.27 mm	9.0	3.0	49.2	1	2.0	72.3	70.3	64.8	100±15	20.0	
7989P	NEC:	4	1000	304.8	38.0	17.2	.365	9.27	9.0	3.0	49.2	1	2.0	72.3	70.3	64.8	100±15	20.0	
	CMR:		1640	500.0	62.3	28.3	x	x					4	3.8	63.3	59.5	52.7	100±15	23.0
	CEC:						.165	.412					10	6.0	57.3	51.3	44.8	100±15	25.0
	CMR:												16	7.6	54.3	46.7	40.7	100±15	25.0
													31.25	10.7	49.9	39.2	34.9	100±15	23.6
													62.5	15.4	45.4	30.0	28.8	100±15	21.5
													100	19.8	42.3	22.5	24.8	100±15	20.1
											200	29.0	37.8	8.8	18.7	100±22	18.0		
											250	32.8	36.3	3.5	16.8	100±32	17.3		



Rip Cord

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

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

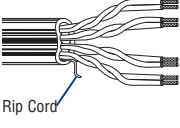
**Color Codes: VideoTwist 6 RGB**

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® and DataTwist® 6 UTP Patch Cables**

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

Enhanced Category 6 Bonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR ( $\Omega$ / 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. ( $\Omega$ )	Min. RL (dB)			
				Ft.	m	Lbs.	kg	Inch	mm													
<b>Patch Cables • 24 AWG Bonded-Pairs Stranded (7x32) Tinned Copper Conductor • RJ-45 Compatible • See Color Code Chart (below)▲</b>																						
<b>Non-Plenum • Polyolefin Insulation • PVC Jacket (Yellow, Green, Blue, Purple, Light Gray, Gray, White or Black)</b>																						
	<b>1875GB</b>	NEC: CMR CEC: CMR	4	1000†	304.8	31.0	14.1	.365	9.27	9.0	3.0	49.2	1	1.9	72.3	70	64.8	100±12	20.0			
				A-1000††	A-304.8	32.0	14.5	x	x						4	3.7	63.3	59	52.8	100±12	23.0	
												.165	4.19			8	5.3	58.8	53	46.7	100±12	24.5
																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				

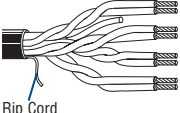
†1000 ft. put-up not available in Purple.

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

U.S. Patents 5,606,151; 5,734,126; 5,763,823 and 5,821,467

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

**Patch Cables • 24 AWG Solid BC Conductors • Twisted Pairs • Central Slit-Film Filler • RJ-45 Compatible\* • See Color Code Chart (below)▲****Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)**

	<b>7883A</b>	NEC: CM CEC: CM	4	1000	304.8	24.0	10.9	.205	5.21	9.38	5.0	330	1	2.4	72.3	69.9	64.8	100±15	20.0			
															10	7.1	57.3	50.2	44.8	100±15	25.0	
																20	10.2	52.8	42.6	38.8	100±15	25.0
																31.25	12.8	49.9	37.1	34.9	100±15	23.6
																62.5	18.5	45.4	26.9	28.9	100±15	21.5
																100	23.8	42.3	18.5	24.8	100±15	20.1
																200	34.8	37.8	3.0	18.8	100±22	18.0
																250	39.4	36.3	—	16.8	100±32	17.3

Jacket sequentially marked at 2 ft. intervals.

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

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: MediaTwist Patch**  
(1875GB)

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

\*Color rotation available for T568-A or T568-B wiring schemes.

**Color Codes: DataTwist 6 Patch**  
(7883A)

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

\*Color rotation available for T568-A or T568-B wiring schemes.

**Handy Cable  
Preparation Tool  
for Bonded-Pairs**See page 15.40  
for details.