

# MediaTwist® UTP Cable

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

Enhanced Category 6 Bonded-Pair Cables

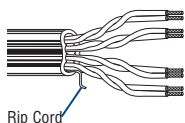
**Certified System Cable**

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)

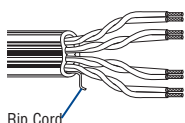
Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths (Ft./m)	Standard Unit Wt. (Lbs./kg)	Nominal OD (Inch/mm)	Max. DCR (Ω/100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/100m)	Min. PSUM ELFEXT (dB/100m)	Input Imped.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



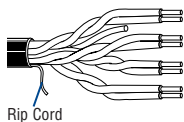
**DataTwist® 6 UTP Cable**

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)

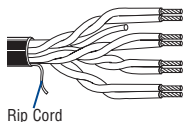
Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	1000 Ft.	304.8 m	30.0 Lbs.	13.6 kg	.241 Inch	6.12 mm	8.2	5.0	330	1	2.0	72.3	70.3	64.8	100±15	20.0		
<b>7881A</b>	NEC:	4	1000	304.8	30.0	13.6	.241	6.12	8.2	5.0	330	1	2.0	72.3	70.3	64.8	100±15	20.0		
	CMR		A-1000	A-304.8	33.0	15.0							10	6.0	57.3	51.3	44.8	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		



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		



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® 5e+ UTP Cable

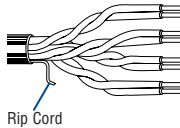
TIA/EIA-568-B.2, Category 5e

Enhanced Category 5e Nonbonded-Pair Cables

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										

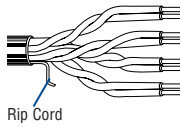
**24 AWG** Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)

### Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Gray or White)

	<b>1500A</b>	NEC:	4	1000	304.8	23.0	10.4	.190	4.83	9.0	3.0	200	1	2.0	65.3	63.3	60.8	100±12	20.0			
		CM		A-1000	A-304.8	26.0	11.8								4	4.0	56.3	52.3	48.7	100±12	23.0	
		CEC:														8	5.7	51.8	46.1	42.7	100±12	24.5
		CM														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			

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

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

	<b>1501A</b>	NEC:	4	1000†	304.8	23.0	10.4	.190	4.83	9.0	3.0	200	1	2.0	65.3	63.3	60.8	100±12	20.0			
		CMP		A-1000	A-304.8	26.0	11.8								4	4.0	56.3	52.3	48.7	100±12	23.0	
		CEC:														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			

†1000 ft. put-up not available in Red.  
Jacket sequentially marked at 2 ft. intervals  
Features 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 • FEP = Fluorinated Ethylene Propylene • FRPO = Flame-retardant Polyolefin • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

### Color Codes: DataTwist 5e+

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)

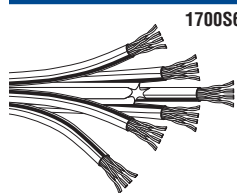


**DataTwist 350 Composite UTP Cable**

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

Banana Peel® Jacketless 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										

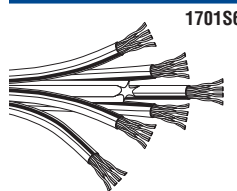
**24 AWG Bonded-Pairs** • Solid Bare Copper Conductors • Spline Filler • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Inner Jacket** (Available in Light Blue or Gray) • **No Overall Jacket**

1700S6	NEC: CMR CEC: CMG	24	500 1000	152.4 304.8	77.5 149.0	35.19 67.65	.204 .600	5.18 15.24	9.0	3.0	66.0	1 10 16 31.25 62.5 100 200 250 350	2.0 6.4 8.1 11.6 16.8 21.7 32.0 36.4 44.3	65.3 50.3 47.3 42.9 38.4 35.3 30.8 29.3 27.2	63.3 43.9 39.1 31.3 21.6 17.1 3.0 >0.0 —	60.8 40.8 36.7 30.9 24.9 20.8 14.7 12.8 9.9	100±12 100±12 100±12 100±15 100±15 100±15 100±20 100±20 100±22	20.0 25.0 25.0 23.6 21.5 20.1 19.0 18.0 17.0
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Bundled version of 1700R.

U.S. Patents 5,606,151; 5,734,126; 7,049,523.

Individual leg is third party verified to ANSI/TIA/EIA 568-B.2, Category 5e

**Plenum • FEP Insulation • Flamarrest® Inner Jacket** (Available in Blue or Natural) • **No Overall Jacket**

1701S6	NEC: CMP CEC: CMP	24	500 1000	152.4 304.8	81.5 157.0	37.00 71.28	.195 .600	4.95 15.24	9.0	3.0	66.0	1 10 16 31.25 62.5 100 200 250 350	2.0 6.4 8.1 11.6 16.8 21.7 32.0 36.4 44.3	65.3 50.3 47.3 42.9 38.4 35.3 30.8 29.3 27.2	63.3 43.9 39.1 31.3 21.6 17.1 3.0 >0.0 —	60.8 40.8 36.7 30.9 24.9 20.8 14.7 12.8 9.9	100±12 100±12 100±12 100±15 100±15 100±15 100±20 100±20 100±22	20.0 25.0 25.0 23.6 21.5 20.1 19.0 18.0 17.0
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Bundled version of 1701A.

U.S. Patents 5,606,151; 5,734,126; 7,049,523.

Individual leg is third party verified to ANSI/TIA/EIA 568-B.2, Category 5e

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

**Color Codes: DT 350 Composite**

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® 5e UTP Cable

## TIA/EIA-568-B.2, Category 5e Nonbonded-Pair Cables

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)**

### Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Natural or Blue)

	<b>1590A</b>	NEC:	2	1000	304.8	16.0	7.3	.175	4.44	9.38	5.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
		CMP											10	6.5	47.3	49.2	40.8	100±15	25.0
		CEC:											16	8.2	44.3	40.8	36.7	100±15	25.0
		CMP FT6											31.25	11.7	39.9	36.0	30.9	100±15	23.6
													62.5	17.0	35.4	28.2	24.8	100±15	21.5
													100	22.0	32.3	19.0	20.8	100±15	20.1
	200	32.0	27.8	10.3	14.7	100±25	15.0												

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

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

	<b>1585A</b>	NEC:	4	U-1000	U-304.8	23.0	10.5	.198	5.03	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
		CMP											4	4.1	53.3	49.2	48.7	100±15	23.0
		CEC:											10	6.5	47.3	40.8	40.8	100±15	25.0
		CMP FT6											16	8.2	44.3	36.0	36.7	100±15	25.0
													31.25	11.7	39.9	28.2	30.9	100±15	23.6
													62.5	17.0	35.4	19.0	24.8	100±15	21.5
	100	22.0	32.3	10.3	20.8	100±15	20.1												
	200	32.0	27.8	1.0	14.7	100±25	15.0												

†3000 ft. put-up available in Natural or Blue only. Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e

### Plenum • FEP Teflon Insulation • Fluorescent Pink Flamarrest Jacket

	<b>DataBrite® 1585B</b>	NEC:	4	1000	304.8	24.0	10.9	.197	5.00	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
		CMP											4	4.1	53.3	49.2	48.7	100±15	23.0
		CEC:											10	6.5	47.3	40.8	40.8	100±15	25.0
		CMP FT6											16	8.2	44.3	36.0	36.7	100±15	25.0
													31.25	11.7	39.9	28.2	30.9	100±15	23.6
													62.5	17.0	35.4	19.0	24.8	100±15	21.5
	100	22.0	32.3	10.3	20.8	100±15	20.1												
	200	32.0	27.8	1.0	14.7	100±25	15.0												

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

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

	<b>1585LC</b>	NEC:	4	U-1000	U-304.8	23.0	10.5	.195	4.95	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0
		Limited											4	4.1	53.3	49.2	48.7	100±15	23.0
		Combustible											10	6.5	47.3	40.8	40.8	100±15	25.0
		FHC 25/50											16	8.2	44.3	36.0	36.7	100±15	25.0
		CMP											31.25	11.7	39.9	28.2	30.9	100±15	23.6
		CEC:											62.5	17.0	35.4	19.0	24.8	100±15	21.5
CMP FT6	100	22.0	32.3	10.3	20.8	100±15	20.1												
	200	32.0	27.8	1.0	14.7	100±25	15.0												

Jacket sequentially marked at 2 ft. intervals. No rip cord. Third party verified to TIA/EIA-568-B.2, Category 5e

**Patch Cable • 24 AWG Stranded (7x32) Bare Copper Conductors • Twisted Pairs • RJ-45 Compatible\* • See Color Code Chart (below)**

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

	<b>Patch Cable 1592A</b>	NEC:	4	U-1000	U-304.8	22.0	10.0	.213	5.41	9.38	3.0	330	1	2.5	62.3	—	60.8	100±15	20.0
		CM											4	4.9	53.3	—	48.7	100±15	23.0
		CEC:											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												

\*RJ-45 compatible for either T568-A or T568-B configurations. Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e Patch

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

### Color Codes: DataTwist 5e

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.



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

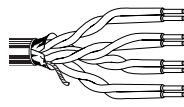
Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

**DataTwist® 5e ScTP Cable**

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

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 • Overall Beldfoil® Shield • Drain Wire\* • RJ-45 Compatible • See Color Code Chart (below)****Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Gray or Black)

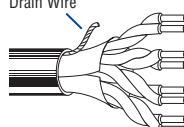
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/100m)	Min. PSUM ELFEXT (dB/100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										
	<b>1533R</b>	NEC: CMR CEC: CMR	4	1000	304.8	34.0	15.5	.260	6.60	9.38	3.0	330	1	2.0	62.3	60	60.8	100±15	20.0
				A-1000	A-304.8	37.0	16.8	4	4.1	53.3	49	48.7	100±15	23.0					
				1640†	500.0	57.4	26.1	8	5.8	48.8	43	42.7	100±15	24.5					
								10	6.5	47.3	41	40.8	100±15	25.0					
								16	8.2	44.3	36	36.7	100±15	25.0					
								20	9.3	42.8	34	34.7	100±15	25.0					
								25	10.4	41.3	31	32.8	100±15	24.3					
								31.25	11.7	39.9	28	30.9	100±15	23.6					
								62.5	17.0	35.4	18	24.8	100±15	21.5					
								100	22.0	32.3	10	20.8	100±15	20.1					

†1640 ft. put-up available in Gray only.

Shield is bonded to jacket inner wall for electrical stability.

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

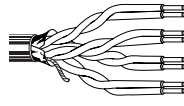
**Non-Plenum • Polypropylene Insulation (Color Code: See Chart Below) • Black Low-Smoke, Zero-Halogen Jacket**

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										
	<b>1300SB</b> <small>new</small>	NEC: CMG-LS CEC: CMG-LS FT4 Limited Smoke	4	1000	304.8	35.0	15.9	.260	6.60	9.3	3.0	330	1	2.0	62.3	60	60.8	100±15	20.0
				A-1000	A-304.8	37.0	16.8	4	4.1	53.3	49	48.7	100±15	23.0					
								8	5.8	48.8	43	42.7	100±15	24.5					
								10	6.5	47.3	41	40.8	100±15	25.0					
								16	8.2	44.3	36	36.7	100±15	25.0					
								20	9.3	42.8	34	34.7	100±15	25.0					
								25	10.4	41.3	31	32.8	100±15	24.3					
								31.25	11.7	39.9	28	30.9	100±15	23.6					
								62.5	17.0	35.4	18	24.8	100±15	21.5					
								100	22.0	32.3	10	20.8	100±15	20.1					

**LSZH and ABS Type Approved**

Jacket sequentially marked at 2 ft. intervals.

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

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										
	<b>1533P</b>	NEC: CMP CEC: CMP	4	1000	304.8	35.0	15.9	.235	6.00	9.38	3.0	330	1	2.0	62.3	60	60.8	100±15	20.0
				A-1000	A-304.8	38.0	17.2	4	4.1	53.3	49	48.7	100±15	23.0					
								8	5.8	48.8	43	42.7	100±15	24.5					
								10	6.5	47.3	41	40.8	100±15	25.0					
								16	8.2	44.3	36	36.7	100±15	25.0					
								20	9.3	42.8	34	34.7	100±15	25.0					
								25	10.4	41.3	31	32.8	100±15	24.3					
								31.25	11.7	39.9	28	30.9	100±15	23.6					
								62.5	17.0	35.4	18	24.8	100±15	21.5					
								100	22.0	32.3	10	20.8	100±15	20.1					

Shield is bonded to jacket inner wall for electrical stability.

Jacket sequentially marked at 2 ft. intervals.

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

ScTP = Screened (Overall Foil) Twisted Pair(s)

\*Drain wire is 24 AWG stranded tinned copper.

**Color Codes: DataTwist 5e ScTP**

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.

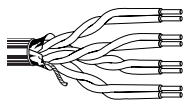
**DataTwist® 5 ScTP Cable**

TIA/EIA-568-A, Category 5 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)	Input Imped. ( $\Omega$ )	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

**24 AWG Solid Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shield • Drain Wire\* • RJ-45 Compatible • See Color Code Chart (below)****Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Purple or Light Gray)

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)	Input Imped. ( $\Omega$ )	Min. SRL (dB)	
1624R	NEC:	4	1000	304.8	33.0	15.0	.260	6.60	9.38	3.0	300	1	2.0	62.3	100±15	23.0	
	CMR		A-1000	A-304.8	36.0	16.3							4	4.1	53.3	100±15	23.0
	CEC:		1640†	500.0	54.1	24.7							8	5.8	48.8	100±15	23.0
	CMR												10	6.5	47.3	100±15	23.0
													16	8.2	44.3	100±15	23.0
													20	9.3	42.8	100±15	23.0
													25	10.4	41.3	100±15	22.0
											31.25	11.7	39.9	100±15	21.1		
											65.5	17.0	35.4	100±15	18.0		
											100	22.0	32.3	100±15	16.0		



†1640 ft. put-up available in Gray only.

Shield is bonded to jacket inner wall for electrical stability.

Jacket sequentially marked at 2 ft. intervals. • Third party verified to TIA/EIA-568-A, Category 5

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

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)	Input Imped. ( $\Omega$ )	Min. SRL (dB)	
1624P	NEC:	4	1000	304.8	32.0	14.5	.230	5.84	9.38	3.0	300	1	2.0	62.3	100±15	23.0	
	CMR		A-1000††	A-304.8	35.0	15.9							4	4.1	53.3	100±15	23.0
	CEC:												8	5.8	48.8	100±15	23.0
	CMR												10	6.5	47.3	100±15	23.0
													16	8.2	44.3	100±15	23.0
													20	9.3	42.8	100±15	23.0
													25	10.4	41.3	100±15	22.0
											31.25	11.7	39.9	100±15	21.1		
											65.5	17.0	35.4	100±15	18.0		
											100	22.0	32.3	100±15	16.0		

††A-1000 ft. put-up available in Yellow, Blue, Gray or Natural only.

Shield is bonded to jacket inner wall for electrical stability.

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-A, Category 5

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • ScTP = Screened (Overall Foil) Twisted Pair(s)

\*Drain wire is 24 AWG stranded tinned copper on 1624R and 24 AWG solid tinned copper on 1624P.

**Color Codes: DataTwist 5 ScTP**

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

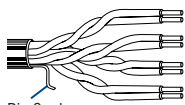
**VideoTwist® 6 UTP Cable for RGB Video**

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	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												
7989R	NEC: CMR CEC: CMG	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		
			1640	500.0	52.5	23.8	x	x				4	3.8	63.3	59.5	52.7	100±15	23.0		
									.165	.412				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
														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

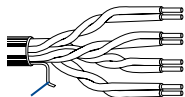


Rip Cord

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	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												
7989P	NEC: CMP CEC: CMP	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		
			1640	500.0	62.3	28.3	x	x				4	3.8	63.3	59.5	52.7	100±15	23.0		
									.165	.412				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
														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



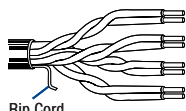
**DataTwist® 5e UTP Cable for RGB Video**

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

**Low Skew 24 AWG Bonded Pairs** Solid BC Conductors • Twisted Pairs • Skew 9,0ns/100m nom. • Rip Cord • See Color Code Chart**Non-Plenum • Polyolefin Insulation • Green PVC Jacket**

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	U-1000	U-304.8	U-500.0	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)		
7988R	NEC:	4	U-1000	U-304.8	U-500.0	22.0	10.0	.204	5.18	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0		
	CMR		U-1640	U-500.0	36.1	16.4								4	4.1	53.3	49.2	48.7	100±15	23.0	
	CEC:													10	6.5	47.3	40.8	40.8	100±15	25.0	
	CMG													16	8.2	44.3	36.0	36.7	100±15	25.0	
															31.25	11.7	39.9	28.2	30.9	100±15	23.6
															62.5	17.0	35.4	18.4	24.8	100±15	21.5
													100	22.0	32.3	10.3	20.8	100±15	20.1		
													200	32.4	27.8	1.0	14.7	100±25	15.0		

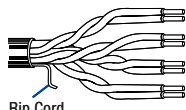


Rip Cord

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

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

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	U-1000	U-304.8	U-500.0	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)		
7988P	NEC:	4	U-1000	U-304.8	U-500.0	23.0	10.4	.193	4.90	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0		
	CMR		U-1640	U-500.0	37.7	17.1								4	4.1	53.3	49.2	48.7	100±15	23.0	
	CEC:													10	6.5	47.3	40.8	40.8	100±15	25.0	
	CMP													16	8.2	44.3	36.0	36.7	100±15	25.0	
															31.25	11.7	39.9	28.2	30.9	100±15	23.6
															62.5	17.0	35.4	18.4	24.8	100±15	21.5
													100	22.0	32.3	10.3	20.8	100±15	20.1		
													200	32.4	27.8	1.0	14.7	100±25	15.0		



Rip Cord

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

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: DataTwist 5e 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

# IEEE 802.3 • ISO/IEC 8802.3 10Base2 and 10Base5

## Trunk Cables — Thinnet and Thicknet

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

### Thinnet 10Base2 • 20 AWG Stranded (19x32) .037" Tinned Copper Conductors • Duobond® II + Tinned Copper Braid Shield (93% Coverage)

#### Non-Plenum • Ethernet • Foam HDPE Insulation • Gray PVC Jacket

UL AWM Style 1354 (30V 60°C)	<b>9907</b>	NEC: CL2, CM CEC: CM	500 U-1000 1000 1640 2500 3280	152.4 U-304.8 304.8 500.0 762.0 1000.0	12.5 25.0 25.0 41.0 62.5 82.0	5.7 11.4 11.4 18.6 28.4 37.3	20 AWG (19x32) .037"	.102 2.59	2.59	Duobond II + 93% Tinned Copper Braid 5.8Ω/M'	.185 4.70	50 80%	80%	25.4 83.3	83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 8.90 12.10 13.90 14.80	1.4 4.3 9.5 13.8 20.0 29.2 39.7 45.6 48.6
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For Plenum versions of 9907, see 89907 or 82907.

DEC Part No. 17-01248-00

#### Plenum Ethernet • Foam FEP Insulation • Natural Flamarrest® Jacket

300V 75°C	<b>82907</b>	NEC: CL2P, CMP CEC: CMP	500† U-1000 1000† 2500†	152.4 U-304.8 304.8 762.0	12.5 23.0 24.0 57.5	5.7 10.9 10.9 26.1	20 AWG (19x32) .037"	.095 2.41	2.41	Duobond II + 93% Tinned Copper Braid 5.8Ω/M'	.160 4.06	50 80%	80%	25.4 83.3	83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 9.20 12.90 15.00 16.00	1.4 4.3 9.5 13.8 20.0 30.2 42.3 49.2 52.5
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#### Plenum Ethernet • Foam FEP Insulation • Gray Fluorocopolymer Jacket

300V 150°C	<b>89907†</b>	NEC: CL2P, CMP CEC: CMP	500† U-1000 1000† 2500†	152.4 U-304.8 304.8 762.0	12.5 24.0 24.0 60.0	5.7 10.9 10.9 27.3	20 AWG (19x32) .037"	.095 2.41	2.41	Duobond II + 93% Tinned Copper Braid 5.8Ω/M'	.160 4.06	50 80%	80%	25.4 83.3	83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 9.20 12.90 15.00 16.00	1.4 4.3 9.5 13.8 20.0 30.2 42.3 49.2 52.5
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DEC Part No. 17-01246-00

Suitable for Outdoor and Direct Burial applications.

### Thicknet 10Base5 • 12 AWG Solid .086" Bare Copper Conductor • Duobond IV\* Quad Shield (100% Coverage)

#### Non-Plenum • Ethernet • Foam Polyethylene Insulation • Yellow PVC Jacket

UL AWM Style 1478 (30V 60°C)	<b>9880</b>	NEC: CL2, CM CEC: CM	500 1000 1640	152.4 304.8 500.0	66.0 131.0 219.8	30.0 59.5 99.9	12 AWG (solid) .086"	.243 6.17	6.17	Duobond IV (Duobond II + 94% TC Braid + Duofoil® + 90% TC Braid) 1.52Ω/M'	.405 10.29	50 78%	78%	26.0 85.0	85.0	1 5 10 50 100 200 400 700 900 1000	.19▲ .37▲ .52▲ 1.20▲ 1.70▲ 2.55▲ 3.90▲ 5.50▲ 6.50▲ 6.90▲	.62 1.21 1.71 3.94 5.58 8.37 12.80 18.10 21.30 22.60
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For Plenum version of 9880, see 89880.

DEC Part No. 17-00451-00

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

#### Plenum Ethernet • Foam FEP Insulation • Orange Fluorocopolymer Jacket

150°C	<b>89880</b>	NEC: CL2P, CMP CEC: CMP	1000† 1640†	304.8 500.0	134.0 224.7	60.9 102.1	12 AWG (solid) .086"	.245 6.22	6.22	Duobond IV (Duobond II + 94% TC Braid + Duofoil + 90% TC Braid) 1.52Ω/M'	.375 9.53	50 78%	78%	26.0 85.0	85.0	1 5 10 50 100 200 400 700 900 1000	.18 .37▲ .52▲ 1.15 1.65 2.45 3.80 5.60 6.80 7.20	.59 1.21 1.71 3.77 5.41 8.04 12.50 18.40 22.30 23.60
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DEC Part No. 17-00324-00

Suitable for Outdoor and Direct Burial applications.

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\* Duobond IV = Duobond II (100% coverage) + tinned copper braid (90% coverage) + Duofoil® (100% coverage) + tinned copper braid (90% coverage).

Plenum version is Duobond II (100% coverage) + tinned copper braid (94% coverage) + Duofoil (100% coverage) + tinned copper braid (90% coverage).

† Spools are one piece, but length may vary ±10% from length shown.

▲ Maximum Attenuation

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**IEEE 802.5; ISO/IEC 8802.5**

## IBM Cabling System

## Types 1A and 1

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		AWG (stranding) Diameter Nom. DCR	Shielding	Nom. Imped. (Ω)	Nominal Capacitance		Freq. (MHz)	Maximum Attenuation		Min. NEXT	
				Ft.	m	Lbs.	kg	Inch	mm				* pF/Ft.	* pF/m		(dB/ 1000')	(dB/ 100m)	(dB/ 3280')	(dB/ 1000m)

**IBM Type 1A • 22 AWG** Solid BC Conductors • Each Pair Individually Beldfoil® Shielded + Overall TC Braid Shield (65% Coverage) • Rip Cord

**Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket**

<b>IBM Part No.</b>	<b>9688</b>	NEC:	2	500 <sup>†</sup>	152.4	26.5	12.0	.296	7.52	22	100%	150	8.5	27.9	4	6.7	2.2	58.0	58.0
4716748		CMG:		1000 <sup>†</sup>	304.8	50.0	22.7	x	x	(solid)	Beldfoil				16	13.4	4.4	50.4	50.4
33G2772		CEC:		2000 <sup>†</sup>	609.8	102.0	46.3	.431	10.95	BC	Each Pair				100	37.5	12.3	38.5	38.5
		CMG:		3600 <sup>†</sup>	1097.6	190.8	86.5			.026"	+ 65%				300	65.2	21.4	31.3	31.3
										16.7Ω/M'	TC Braid				100 <sup>††</sup>	40.8	13.4	—	—
										54.7Ω/km	Overall				300 <sup>††</sup>	71.0	23.3	—	—
															600 <sup>††</sup>	100.3	32.9	—	—



Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. For Token Ring (4/16 Mbps), FDDI over copper, and video applications. IBM qualified Type 1A Media cable for use in IBM Cabling Systems. For Non-suffix "A" Type IBM Product, see 1634A below.

**Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket**

<b>IBM Part No.</b>	<b>82688</b>	NEC:	2	1000 <sup>†</sup>	304.8	47.0	21.4	.248	6.30	22	100%	150	8.5	27.9	4	6.7	2.2	58.0	58.0
4716749		CMP:						x	x	(solid)	Beldfoil				16	13.4	4.4	50.4	50.4
33G8220		CEC:						.348	8.84	BC	Each Pair				100	37.5	12.3	38.5	38.5
		CMP:								.026"	+ 65%				300	65.2	21.4	31.3	31.3
										16.7Ω/M'	TC Braid				100 <sup>††</sup>	40.8	13.4	—	—
										54.7Ω/km	Overall				300 <sup>††</sup>	71.0	23.3	—	—
															600 <sup>††</sup>	100.3	32.9	—	—



Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. IBM qualified Type 1A Media cable for use in IBM Cabling Systems. For Token Ring (4/16 Mbps), FDDI over copper, and video applications.

**IBM Type 1 • 22 AWG** Solid BC Conductors • Each Pair Individually Beldfoil Shielded + Overall TC Braid Shield (65% Coverage) • Rip Cord

**Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket**

<b>IBM Part No.</b>	<b>1634A</b>	NEC:	2	1000 <sup>†</sup>	304.8	50.0	22.7	.296	7.52	22	100%	150	8.5	27.9	4	6.7	2.2	58.0	58.0
4716748		CMG:		2000 <sup>†</sup>	609.8	102.0	46.4	x	x	(solid)	Beldfoil				16	13.4	4.4	40.0	40.0
		CEC:		3600 <sup>†</sup>	1097.6	190.8	86.7	.431	10.95	BC	Each Pair								
		CMG:								.026"	+ 65%								
										17.4Ω/M'	TC Braid								
										57.1Ω/km	Overall								



Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. For Token Ring (4/16 Mbps), FDDI over copper, and video applications. IBM qualified Type 1 Media cable for use in IBM Cabling Systems. For Suffix A counterpart see 9688 above.

DCR = DC Resistance • BC = Bare Copper • NEXT = Near-end Crosstalk • TC = Tinned Copper

\* Capacitance between conductors

<sup>†</sup> Spools are one piece, but length may vary ±10% from length shown.

<sup>††</sup> Common mode

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

Teflon is a DuPont trademark.

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**IEEE 802.5; ISO/IEC 8802.5**

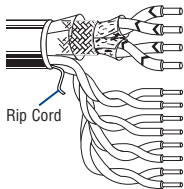
## IBM Cabling System

## Types 2A and 6A

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		AWG (stranding) Diameter Nom. DCR	Shielding	Nom. Imped. (Ω)	Nominal Capacitance		Freq. (MHz)	Maximum Attenuation		Min. NEXT	
				Ft.	m	Lbs.	kg	Inch	mm				* pF/Ft.	* pF/m		(dB/1000')	(dB/100m)	(dB/3280')	(dB/1000m)

**IBM Type 2A • 22 AWG Solid Bare Copper Conductors • Each Pair Individually Beldfoil® Shielded + Overall TC Braid Shield (65% Coverage)****Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket**

<b>IBM Part No.</b> 9689	NEC: 6*	1000 <sup>†</sup>	304.8	80.0	36.4	.324	8.23	22	100%	150	8.5	27.9	1k**	.390	.128	—	—
4716739	CMG	3600 <sup>†</sup>	1097.6	298.8	135.8	x	x	(solid)	Beldfoil	@ 1MHz	(data)	(data)	4	6.7	2.2	58.0	58.0
33G2773	CEC: CMG					.466	11.84	BC	Each Pair	(data)			16	13.4	4.4	50.4	50.4
								.026"	+ 65%	600			100	37.5	12.3	38.5	38.5
								16.7Ω/M'	TC Braid	@ 1kHz			300	65.2	21.4	31.3	31.3
								54.7Ω/km	Overall	(voice)			100 <sup>††</sup>	40.8	13.4	—	—
									(data only)				300 <sup>††</sup>	71.0	23.3	—	—
													600 <sup>††</sup>	100.3	32.9	—	—

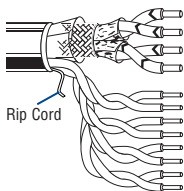


For Plenum version of 9689, see 82689.

IBM qualified Type 2A Media cable for use in IBM Cabling Systems.

**Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket**

<b>IBM Part No.</b> 82689	NEC: 6*	1000 <sup>†</sup>	304.8	79.0	35.9	.324	8.23	22	100%	150	8.5	27.9	1k**	.390	.128	—	—
4716738	CMP					x	x	(solid)	Beldfoil	@ 1MHz	(data)	(data)	4	6.7	2.2	58.0	58.0
33G8221	CEC: CMP					.460	11.68	BC	Each Pair	(data)			16	13.4	4.4	50.4	50.4
								.026"	+ 65%	600			100	37.5	12.3	38.5	38.5
								16.7Ω/M'	TC Braid	@ 1kHz			300	65.2	21.4	31.3	31.3
								54.7Ω/km	Overall	(voice)			100 <sup>††</sup>	40.8	13.4	—	—
									(data only)				300 <sup>††</sup>	71.0	23.3	—	—
													600 <sup>††</sup>	100.3	32.9	—	—



IBM qualified Type 2A Media cable for use in IBM Cabling Systems.

**IBM Type 6A • 26 AWG Stranded (7x34) BC Conductors • Twisted Pairs • Beldfoil Shielded Pairs + Overall TC Braid Shield (65% Coverage)****Non-Plenum • Datalene® Insulation • Striated Black PVC Jacket**

<b>IBM Part No.</b> 1215A	NEC: 2	1000 <sup>†</sup>	304.8	46.0	20.9	.325	8.26	26	100%	150	8.5	27.9	4	10	3.3	52.0	52.0
4716743	CL2, CM							(7x34)	Beldfoil				16	20	6.6	44.0	44.0
33G2775	CEC: CM							BC	Each Pair				100	57	18.7	33.0	33.0
								.019"	+ 65%				300	100	32.3	25.0	25.0
								38.7Ω/M'	TC Braid								
								127.0Ω/km	Overall								



IBM qualified Type 6A Office cable for use in IBM Cabling Systems.

BC = Bare Copper • DCR = DC Resistance • NEXT = Near-end Crosstalk • TC = Tinned Copper

\* Capacitance between conductors

\*\* Voice pairs (1 kHz); Data pairs (4–600 MHz)

<sup>†</sup> Spools are one piece, but length may vary ±10% from length shown.

<sup>††</sup> Common mode

<sup>^</sup> (2) shielded Data-grade pairs; (4) unshielded Voice-grade media pairs

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

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