

MediaTwist® UTP Cable

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

Enhanced Category 6 Bonded-Pair Cables

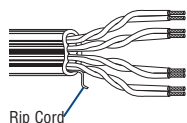
Certified System Cable

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)

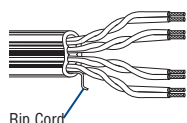
Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths (Ft./m)	Standard Unit Wt. (Lbs./kg)	Nominal OD (Inch/mm)	Max. DCR (Ω/100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/100m)	Min. PSUM ELFEXT (dB/100m)	Input Imped. (Ω)	Min. RL (dB)					
1872A	NEC: CMR CEC: CMR	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		
			A-1000*	A-304.8	37.0	16.8	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			



*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: CMP CEC: CMP	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		
			A-1000**	A-304.8	38.0	17.2	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
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														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
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											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)



MediaTwist® and DataTwist® 6 UTP Patch Cables

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

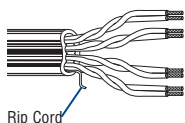
Enhanced Category 6 Bonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (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										

Patch Cables • 24 AWG Bonded-Pairs Stranded (7x32) Tinned Copper Conductor • RJ-45 Compatible • See Color Code Chart (below)▲

Non-Plenum • Polyolefin Insulation • PVC Jacket (Yellow, Green, Blue, Purple, Light Gray, Gray, 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)			
1875GB	NEC:	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
	CMR		A-1000††	A-304.8	32.0	14.5	x	x		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			

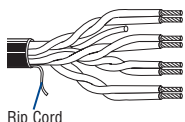


†1000 ft. put-up not available in Purple.
 ††A-1000 ft. put-up not available in Black.
 U.S. Patents 5,606,151; 5,734,126; 5,763,823 and 5,821,467
 Third party verified to TIA/EIA-568-B.2-1, Category 6 Patch

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)

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)			
7883A	NEC:	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
	CM									10	7.1	57.3	50.2	44.8	100±15	25.0		
	CEC:									20	10.2	52.8	42.6	38.8	100±15	25.0		
	CM									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.

(Part No. 1797B)