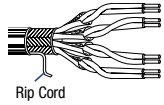


**Category 7 S/FTP Cables**

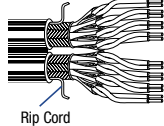
EN 50173, ISO/IEC 11801, TIA/EIA-568-TSB 36, Class F, Category 7, Non-Bonded-Pair Cables

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ( )	Min. RL dB
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		

**Cat 7 • 23 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Individual Beldfoil® + Overall Tinned Copper Braid • Rip Cord**

Foam Skin Polyolefin Insulation • PVC Jacket (Grey, Blue and Yellow)																				
 <p>Rip Cord</p> <p>4-Pair</p>	1885ENH	B-328	B-100	13.2	6.0	0.57 mm 23 AWG Solid BC	0.057	1.45	Non- Bonded-Pair Individual Beldfoil® + Overall TC Braid S/FTP	0.315	8.00	1	2.0	75.0	73.0	75.0	100 ± 15	20.0		
		1640	500	66.1	30.0									10	3.7	75.0	71.3	75.0	100 ± 15	23.0
		3280	1000	132.3	60.0									16	5.9	75.0	69.1	71.0	100 ± 15	25.0
														16	7.4	75.0	67.6	67.0	100 ± 15	25.0
														20	8.3	75.0	66.7	65.0	100 ± 15	25.0
														31.25	10.4	75.0	64.6	61.0	100 ± 15	23.6
														62.5	14.9	72.0	57.6	55.0	100 ± 15	21.5
														100	19.0	69.0	50.4	51.0	100 ± 15	20.1
														155	24.0	67.0	42.6	47.0	100 ± 22	18.8
														200	27.5	65.0	37.4	45.0	100 ± 22	18.0
				300	34.2	62.0	28.1	41.0	100 ± 25	16.8										
				600	50.1	58.0	7.6	35.0	100 ± 25	14.7										
				1000	66.9	54.0	-	31.0	100 ± 25	13.1										

Color Code: see chart below Burning Energy: 500 kJ/m  
500 m put-up not available in Grey.

Foam Skin Polyolefin Insulation • PVC Jacket (Grey, Blue and Yellow)																			
 <p>Rip Cord</p> <p>8-Pair, Twin</p>	1887ENH	328	100	26.5	12.0	0.57 mm 23 AWG Solid BC	0.057	1.45	Non- Bonded-Pair Individual Beldfoil® + Overall TC Braid S/FTP	0.650	16.50	see above							
		1640	500	132.3	60.0														

Color Code: see chart below Burning Energy: 1000 kJ/m  
100 m put-up available in Grey only.

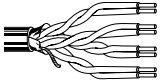
TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

**Color Code**

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

### Category 6 F/UTP Cables

EN 50173, ISO/IEC 11801, Class E, Category 6,  
Bonded-Pair Cables

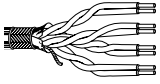
De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ( )	Min. RL dB			
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m					
<b>Cat 6 • 23 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Overall Beldfoil® Shield • 26 AWG Tinned Copper Drain Wire</b>																						
<b>Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)</b>																						
 4-Pair	7860ENH		B-328	B-100	11.0	5.0	0.57 mm	0.046	1.17	<b>Bonded-Pair</b> Overall Beldfoil® + Drain Wire (26 AWG TC) F/UTP	0.287	7.30	1	2.1	72.0	70.2	65.0	100 ± 15	20.0			
			1640	500	54.9	24.9	23 AWG								4	3.8	63.0	59.4	53.0	100 ± 15	23.0	
			3280	1000	110.2	50.0	Solid BC								10	6.0	57.0	51.3	45.0	100 ± 15	25.0	
																16	7.6	54.0	46.6	41.0	100 ± 15	25.0
																20	8.5	53.0	44.3	39.0	100 ± 15	25.0
																25	9.6	51.0	41.8	37.0	100 ± 15	24.3
																31.25	10.7	50.0	39.1	35.0	100 ± 15	23.6
																62.5	15.5	45.0	29.9	29.0	100 ± 15	21.5
																100	19.9	42.0	22.4	25.0	100 ± 15	20.1
																155	25.3	39.0	14.1	21.0	100 ± 22	18.8
												200	29.1	38.0	8.6	19.0	100 ± 22	18.0				
												250	33.0	36.0	3.3	17.0	100 ± 22	17.3				

Color Code: see chart below

Burning Energy: 560 kJ/m

### Category 6 SF/UTP Cables

EN 50173, ISO/IEC 11801, Class E, Category 6,  
Bonded-Pair Cables

De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ( )	Min. RL dB			
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m					
<b>Cat 6 • 23 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Overall Beldfoil® Shield • 26 AWG TC Drain Wire • Overall TC Braid</b>																						
<b>Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)</b>																						
 4-Pair Braided 7860E	7860ENS		B-328	B-100	12.5	5.7	0.57 mm	0.046	1.17	<b>Bonded-Pair</b> Overall Beldfoil® + Drain Wire (26 AWG TC) + TC Braid SF/UTP	0.295	7.50	1	2.1	72.0	70.2	65.0	100 ± 15	20.0			
			1640	500	62.8	28.5	23 AWG								4	3.8	63.0	59.4	53.0	100 ± 15	23.0	
			3280	1000	125.4	56.9	Solid BC								10	6.0	57.0	51.3	45.0	100 ± 15	25.0	
																16	7.6	54.0	46.6	41.0	100 ± 15	25.0
																20	8.5	53.0	44.3	39.0	100 ± 15	25.0
																25	9.6	51.0	41.8	37.0	100 ± 15	24.3
																31.25	10.7	50.0	39.1	35.0	100 ± 15	23.6
																62.5	15.5	45.0	29.9	29.0	100 ± 15	21.5
																100	19.9	42.0	22.4	25.0	100 ± 15	20.1
																155	25.3	39.0	14.1	21.0	100 ± 22	18.8
												200	29.1	38.0	8.6	19.0	100 ± 22	18.0				
												250	33.0	36.0	3.3	17.0	100 ± 22	17.3				

Color Code: see chart below

Burning Energy: 560 kJ/m

TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

#### Color Code

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

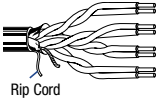
#### Get the Bonded-Pairs Cable Preparation Tool

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

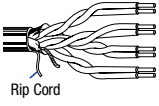


### DataTwist® 5e F/UTP Cables

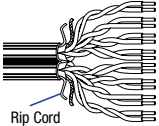
EN 50173, ISO/IEC 11801, Class D, Category 5e,  
Non-Bonded-Pair Cables

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ( )	Min. RL dB		
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m				
<b>Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Overall Beldfoil® Shield • 24 AWG Tinned Copper Drain Wire • Rip Cord</b>																					
<b>Polyolefin Insulation • PVC Jacket (Grey and Blue)</b>																					
 Rip Cord  4-Pair	1633E		B-328	B-100	9.5	4.3	0.51 mm 24 AWG Solid BC	0.041	1.05	Non- Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) F/UTP	0.236	6.00	1	2.1	62.0	60.2	61.0	100 ± 15	20.0		
			1000	305	28.7	13.0									4	4.0	53.0	49.3	49.0	100 ± 15	23.0
			1640	500	47.4	21.5									8	5.7	49.0	43.1	43.0	100 ± 15	24.5
			3280	1000	94.8	43.0									10	6.3	47.0	41.0	41.0	100 ± 15	25.0
															16	8.0	44.0	36.2	37.0	100 ± 15	25.0
															20	9.0	43.0	33.8	35.0	100 ± 15	25.0
															25	10.1	41.0	31.2	33.0	100 ± 15	24.3
31.25	11.4	40.0	28.5	31.0	100 ± 15	23.6															
62.5	16.5	35.0	18.8	25.0	100 ± 15	21.5															
100	21.3	32.0	11.0	21.0	100 ± 15	20.1															

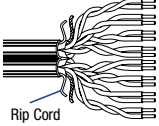
Color Code: see chart below

<b>Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)</b>																									
 Rip Cord  4-Pair	1633ENH		B-328	B-100	9.5	4.3	0.51 mm 24 AWG Solid BC	0.041	1.05	Non- Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) F/UTP	0.236	6.00								see above					
			1000	305	28.7	13.0																			
			1640	500	47.4	21.5																			
			3280	1000	94.8	43.0																			

Color Code: see chart below  
Burning Energy: 464 kJ/m  
500 m put-up available in Blue only.

<b>Polyolefin Insulation • Grey PVC Jacket</b>																								
 Rip Cord  8-Pair, Twin	1668E		B-164	B-50	18.9	8.6	0.51 mm 24 AWG Solid BC	0.041	1.05	Non- Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) F/UTP	0.236	6.00								see above				
			1000	305	57.3	26.0														x	x			
			1640	500	94.8	43.0														0.531	13.50			

Color Code: see chart below  
Burning Energy: 929 kJ/m

<b>Polyolefin Insulation • FRNC/LSNH Grey Jacket</b>																								
 Rip Cord  8-Pair, Twin	1668ENH		1640	500	94.8	43.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non- Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) F/UTP	0.236	6.00								see above				
																				x	x			
																				0.531	13.50			

Color Code: see chart below  
Burning Energy: 929 kJ/m

TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

#### Color Code

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

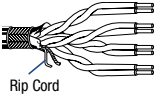
#### Get the Bonded-Pairs Cable Preparation Tool

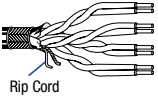
See page 15.37 for details.  
(Part No. 1797B)

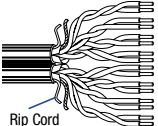


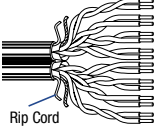
### DataTwist® 5e SF/UTP Cables

EN 50173, ISO/IEC 11801, Class D, Category 5e,  
Non-Bonded-Pair Cables

De-scription	Part No.	UL NEC / C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ( )	Min. RL dB
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		
<b>Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Overall Beldfoil® Shield • 24 AWG TC Drain Wire • Overall TC Braid • Rip Cord</b>																			
<b>Polyolefin Insulation • Grey PVC Jacket</b>																			
 <p>Rip Cord</p>	1633ES	B-328 1000 1640 3280	B-100 305 500 1000	10.6 32.2 52.9 105.8	4.8 14.6 24.0 48.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil®	0.248	6.30	1	2.1	62.0	60.2	61.0	100 ± 15	20.0	
																	100 ± 15	23.0	
																	100 ± 15	24.5	
																	100 ± 15	25.0	
																	100 ± 15	25.0	
																	100 ± 15	24.3	
																	100 ± 15	23.6	
100 ± 15	21.5																		
100 ± 15	20.1																		
4-Pair Braided 1633E	Color Code: see chart below																		

<b>Polyolefin Insulation • Grey FRNC/LSNH Jacket</b>																			
 <p>Rip Cord</p>	1633ENS	1640	500	52.9	24.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil®	0.248	6.30								see above
																			see above
4-Pair Braided 1633ENH	Color Code: see chart below																		
Burning Energy: 505 kJ/m																			

<b>Polyolefin Insulation • Grey PVC Jacket</b>																			
 <p>Rip Cord</p>	1668ES	B-164 1000 1640	B-50 305 500	10.6 32.2 52.9	4.8 14.6 24.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil®	0.543	13.80								see above
																			see above
																			see above
8-Pair, Twin	Color Code: see chart below																		

<b>Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)</b>																			
 <p>Rip Cord</p>	1668ENS	1640	500	105.8	48.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil®	0.543	13.80								see above
																			see above
																			see above
8-Pair, Twin	Color Code: see chart below																		
Burning Energy: 1010 kJ/m																			

TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

#### Color Code

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