

Composite Data, Audio, Video, Security and Control Cables

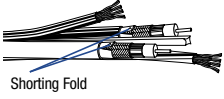
Banana Peel® Jacketless Cables

Category 5e



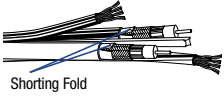
De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Color Code	Nominal Insulation OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Core OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

Composite • **(2) Cat 5e** 4-Bonded-Pair UTP 24 AWG • **(2) Series 6 Coax** with **Duobond® Plus** (Bonded Tri-Shield) •
Banana Peel® Unjacketed, Bonded to Central Spine

Polyolefin Insulation (Pairs) • Gas-Injected FPE Insulation (Coax) • F-R PVC Jacket • No Overall Jacket															
7876S	NEC:	500	152	63.1	28.6	0.550	13.97	2xData	4-Pair UTP Bonded-Pairs 24 AWG 0.5 mm Solid BC	Unshielded	Polyolefin	F-R PVC (1) Blue (1) Green	0.204	5.18	
	CMR:	1000	305	119.0	54.0										
	CEC:														
	CMG FT4														
 Shorting Fold															
								2xCoax	Series 6 18 AWG 1.0 mm Solid BC	Duobond® Plus + 77% AL Braid + AL Foil w/shorting fold	Gas-Injected Foam Polyethylene	F-R PVC (1) Black (1) White	0.275	6.99	

Third party verified to TIA/EIA-568-B.2, Category 5e
 U.S. Patents 7,049,523; 5,606,151; 5,734,126.
 Coax sweep tested to 3.0 GHz and jacket sequentially marked.
 Coax shield effectiveness 125 dB @ 1 GHz is better than quad shield.

Composite • **(2) Cat 5e** 4-Bonded-Pair UTP 24 AWG • **(2) Series 6 Coax** with **Duobond® Plus (1) 2-Fiber LANlite®** •
Banana Peel® Unjacketed, Bonded to Central Spine

Polyolefin Insulation (Pairs) • Gas-Injected FPE Insulation (Coax) • F-R PVC Jacket • No Overall Jacket															
7878S	NEC:	500	152	70.8	32.1	0.595	15.11	2xData	4-Pair UTP Bonded-Pairs 24 AWG 0.5 mm Solid BC	Unshielded	Polyolefin	F-R PVC (1) Blue (1) Green	0.204	5.18	
	CMR OF	1000	305	136.9	62.1										
	CEC:														
	CMG OF FT4														
 Shorting Fold															
								2xCoax	Series 6 18 AWG 1.0 mm Solid BC	Duobond® Plus + 77% AL Braid + AL Foil w/shorting fold	Gas-Injected Foam Polyethylene	F-R PVC (1) Black (1) White	0.275	6.99	
								2xFiber LANlite®	Gigabit Ethernet 62.5µ/125µ/900µ (core/clad/coating) Tight-Buffered		PVC (1) Blue (1) Orange	F-R PVC (1) Orange	0.175	4.45	

Third party verified to TIA/EIA-568-B.2, Category 5e
 U.S. Patents 7,049,523; 5,606,151; 5,734,126.
 Coax sweep tested to 3.0 GHz and jacket sequentially marked.
 Coax shield effectiveness 125 dB @ 1 GHz is better than quad shield.

BC = Bare Copper • AL = Aluminum • DCR = DC resistance

Duobond® Plus see technical information page 23.13.

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

Composite Data, Audio, Video, Security and Control Cables

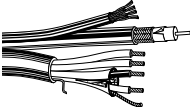
Banana Peel® Jacketless Cables

Category 5e

RESIDENTIAL


De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Color Code	Nominal Insulation OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Core OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

Composite • (1) NanoSkew™ 4-Non-Bonded-Pair UTP 24 AWG • (1) RG59 Coax with Duofoil® (1) 1502R •
Banana Peel® Unjacketed, Bonded to Central Spline

Polyolefin Insulation (Pairs) • Gas-Injected FPE Insulation (Coax) • Polyolefin Insulation (Control) • F-R PVC Jacket • No Overall Jacket																
	YR48902	NEC CMR OF CEC CMG OF FT4	1000	305	132.3	60.0		0.595	15.11	1xData 7987R	4-Pair UTP Non-Bonded-Pairs 24 AWG 0.5 mm Solid BC	Unshielded	Polyolefin	F-R PVC	0.195	4.95
										1xCoax 1505A	0.8 mm 20 AWG Solid BC	Duofoil® 100% 95% TC Braid	Gas-Injected HPDE	F-R PVC Black	0.233	5.92
										1xControl 1502R	1-Pair 22 AWG 0.8 mm (7x30) TC 2 Conductors 18 AWG 1.2 mm (16x30) TC	Unshielded	Foam HPDE	F-R PVC Green	0.250	6.35

Third party verified to TIA/EIA-568-B.2, Category 5e
Coax sweep tested to 2.25 GHz and jacket sequentially marked.

(6) Cat 5e 4-Bonded-Pair UTP 24 AWG • Solid 0.5 mm BC • Rip Cord • Banana Peel® Unjacketed, Bonded to Central Spline

Polyolefin Insulation • Numbered F-R PVC Jackets (Light Blue or Grey) • No Overall Jacket																
	1700S6	CMR CMG	500 1000	152 305	77.6 149.3	35.2 67.7		0.600	15.24	6xData	4-Pair UTP Bonded-Pairs 24 AWG 0.5 mm Solid BC	Unshielded	Polyolefin	F-R PVC	0.204	5.18

6x4 Pairs

1-20 MHz Ohm 100 + 12%
21-100 MHz + 15%
101-155 MHz + 18%
156-310 MHz + 20%
311-350 MHz + 22%

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

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Duofoil® see technical information page 23.13.

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

Composite Data, Audio, Video, Security and Control Cables

Siamese Cables

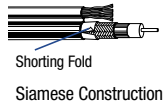
Category 5e and Category 5



De-scription	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Color Code	Nominal Insulation OD		Component	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Core OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

Composite • (1) Cat 5e 4-Bonded-Pair UTP 24 AWG • (1) Series 6 Coax with Duobond® Plus Bonded Tri-Shield

Polyolefin Insulation (Pairs) • Gas-Injected FPE Insulation (Coax) • Overall Green F-R PVC Jacket															
7911A	NEC:	500	152	35.1	15.9	0.275	6.99	1xData	4-Pair UTP Bonded-Pairs 24 AWG	Unshielded	Polyolefin	F-R PVC (1) Green	0.200	5.08	
	CMR:	1000	305	60.0	27.2	x	x		0.5 mm Solid BC						
	CEC:	CMG FT4					0.529	13.44							
								1xCoax	Series 6 18 AWG 1.0 mm Solid BC	Duobond® Plus + 77% AL Braid + AL Foil w/shorting fold	Gas-Injected Foam Polyethylene	F-R PVC (1) Green	0.275	6.99	



Third party verified to TIA/EIA-568-B.2, Category 5e
Coax sweep tested to 3.0 GHz and jacket sequentially marked.
Coax shield effectiveness 125 dB @ 1 GHz is better than quad shield.

Composite • (1) Cat 5 4-Pair UTP 24 AWG • (4) 14 AWG (19x27) 1.85 mm Bare Copper Conductors

Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • Overall Green F-R PVC Jacket															
7952A	NEC:	500	152	58.0	26.3	0.289	7.34	1xData	4-Pair UTP 24 AWG	Unshielded	Polyolefin	F-R PVC (1) Blue	0.216	5.49	
	CMR:					x	x		0.5 mm Solid BC						
	CEC:	CMG FT4					0.535	13.59							
								4xCDR	Series 6 14 AWG 1.85 mm (19x27) BC	Unshielded	PVC Red White Green Black	-	0.104	2.64	

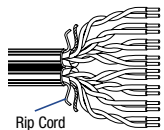


Third party verified to TIA/EIA-568-B.2, Category 5
Jacket sequentially marked.

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 5e • 24 AWG • Unbonded-Pairs • Solid 0.5 mm BC • Overall Beldfoil® Shield • Rip Cord • 24 AWG TC Drain Wire • Overall TC Braid

Polyolefin Insulation • PVC Grey Jacket																			
1668ES	B-164	B-50	10.6	4.8	0.51 mm	0.043	1.10	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) + Overall TC Braid SF/UTP	0.248	6.30	1	2.1	62.0	60.2	61.0	100 ± 15	20.0		
	1000	305	64.4	29.2	24 AWG				4	4.0	53.0	49.3	49.0	100 ± 15	23.0				
	1640	500	105.8	48.0	Solid BC				8	5.7	49.0	43.1	43.0	100 ± 15	24.5				
									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
Applicable industry standards: EN 50173, ISO/IEC 11801

8-Pair, Twin

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

Duobond® Plus see technical information page 23.13.

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

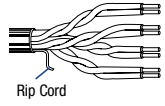


For more information, contact Belden Technical Support +31-77-3875-414 • www.belden-emea.com

Brilliance® VideoTwist®
 Low Skew UTP Cables for Video Transmission
 Category and Non-Category Styles

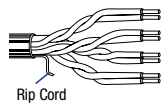


De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ()	Min. RL dB
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		
NanoSkew™ • 24 AWG Non-Bonded-Pair • Solid 0.5 mm BC • Twisted Pair • Skew 2.2 ns/100 m Nominal • Rip Cord • Non-Category Style																			
Polyolefin Insulation • Maroon PVC Jacket																			
300V RMS 7987R	NEC: CMR CEC: CMG	U-1000 U-1640	U-305 U-500	22.0 36.2	10.0 16.4	0.51 mm 24 AWG Solid BC	0.038	0.97	Non- Bonded-Pair Unshielded UTP	0.195	4.95	1	2.0	-	-	-	100 ± 15	15.0	
												4	4.1	-	-	-	-	-	
												8	5.8	-	-	-	-	-	
												10	6.5	-	-	-	-	-	
												16	8.2	-	-	-	-	-	
												20	9.3	-	-	-	-	-	
												25	10.4	-	-	-	-	-	
												31.25	11.7	-	-	-	-	-	
												62.5	17.0	-	-	-	-	-	
												100	22.0	-	-	-	-	-	
												155	28.1	-	-	-	-	-	
												200	32.0	-	-	-	-	-	
250*	36.4	-	-	-	-	-													
350*	44.8	-	-	-	-	-													



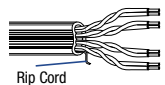
Color Code: see chart below

NanoSkew™ • Category 5e • 24 AWG Bonded-Pair • Solid 0.5 mm Bare Copper • Skew 9.0 ns/100 m Nominal • Rip Cord																			
Polyolefin Insulation • Green PVC Jacket																			
300V RMS 7988R	NEC: CMR CEC: CMG FT4	U-1000 U-1640	U-305 U-500	22.0 36.2	10.0 16.4	0.51 mm 24 AWG Solid BC	0.038	0.97	Bonded-Pair Unshielded UTP	0.204	5.18	1	2.0	65.3	60.3	60.8	100 ± 15	20.0	
												4	4.1	53.3	49.2	48.7	100 ± 15	23.0	
												8	5.8	48.8	43.0	42.7	100 ± 15	24.5	
												10	6.5	47.3	40.8	40.8	100 ± 15	25.0	
												16	8.2	44.3	36.0	36.7	100 ± 15	25.0	
												20	9.3	42.8	33.5	34.7	100 ± 15	25.0	
												25	10.4	41.3	30.9	32.8	100 ± 15	24.3	
												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	
												155	28.1	29.5	2.0	16.9	100 ± 25	15.8	
												200	32.4	27.8	1.0	14.7	100 ± 25	15.0	



Color Code: see chart below

NanoSkew™ • Category 6 • 23 AWG Bonded-Pairs • Solid 0.6 mm Bare Copper • Skew 10.0 ns/100 m Nominal • Rip Cord																			
Polyolefin Insulation • Blue PVC Jacket																			
300V RMS 7989R	NEC CMR CEC CMR FT4	1000 1640	305 500	32.0 52.5	14.5 23.8	0.57 mm 23 AWG Solid BC	0.042	1.06	Bonded-Pair Unshielded UTP	0.365 x 0.165	9.27 x 4.19	1	2.0	72.3	70.3	64.8	100 ± 15	20.0	
												4	3.8	63.3	59.5	52.7	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	38.7	100 ± 15	25.0	
												25	9.5	51.4	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	28.8	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	18.7	100 ± 22	18.0	
250	32.8	36.3	3.5	16.8	100 ± 32	17.3													



Color Code: see chart below

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
 * Values provided for information only.

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



For more information, contact Belden Technical Support +31-77-3875-414 • www.belden-emea.com