

## Composite Data, Audio, Video, Security and Control Cables

### Banana Peel® Jacketless Cables

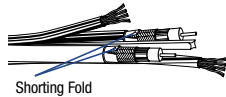
#### Category 5e



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

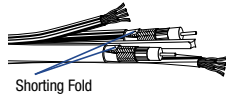
Polyolefin Insulation (Pairs) • Gas-Injected FPE Insulation (Coax) • F-R PVC Jacket • No Overall Jacket															
<b>7876S</b>	NEC:	500	152	63.1	28.6	0.550	13.97	2xData	4-Pair UTP Bonded-Pairs 24 AWG 0.5 mm Solid BC	Unshielded	Polyolefin	F-R PVC (1) Blue (1) Green	0.204	5.18	
	CMR:	1000	305	119.0	54.0										
	CEC:														
	CMG FT4														
								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															
<b>7878S</b>	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														
								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	



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 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.

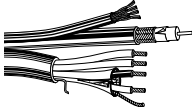
#### Color Code

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**

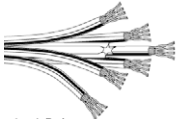
De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Color Code	Nominal Insulation OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Core OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

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																
	<b>YR48902</b>	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																
	<b>1700S6</b>	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		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) 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																
 Shorting Fold Siamese Construction	7911A	NEC:	500	152	35.1	15.9		0.275	6.99	1xData	4-Pair UTP	Unshielded	Polyolefin	F-R PVC (1) Green	0.200	5.08
		CMR:	1000	305	60.0	27.2		x	x		Bonded-Pairs					
		CEC:						0.529	13.44		24 AWG					
		CMG FT4									0.5 mm					
										1xCoax	Series 6	Duobond® Plus	Gas-Injected	F-R PVC	0.275	6.99
											18 AWG	+ 77% AL	Foam	(1) Green		
											1.0 mm	Braid	Polyethylene			
											Solid BC	+ AL Foil				
												w/shorting fold				

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	Unshielded	Polyolefin	F-R PVC (1) Blue	0.216	5.49
		CMR:						x	x		24 AWG					
		CEC:						0.535	13.59		0.5 mm					
		CMG FT4									Solid BC					
										4xCDR	Series 6	Unshielded	PVC	-	0.104	2.64
										4x1.93 mm <sup>2</sup>	14 AWG		Red			
											1.85 mm		White			
											(19x27) BC		Green			
													Black			

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

8-Pair, Twin  
Color Code: see chart below  
Applicable industry standards: EN 50173, ISO/IEC 11801

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
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3	White/Green Stripe, Green
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## Composite Data, Audio, Video, Security and Control Cables

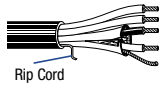
### Multimedia Control Cables



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

Control • **(1) Data** 22 AWG Stranded (7x30) 0.8 mm TC • Twisted Pair with **Beldfoil®** Shield • 24 AWG TC Drain Wire • **(2) Power** 18 AWG (16x30) TC Unshielded Pair • Rip Cord

HDFPE Insulation (Data) • F-R PVC Insulation (Power) • F-R PVC Jacket (Black, White and Aqua)																			
300V 75°C	<b>1502R</b>	NEC:	500	152	20.1	9.1	–	Beldfoil®	0.250	6.35	1xData	1-Pair 22 AWG 0.8 mm (7x30) TC	Overall Beldfoil® 100% + Drain Wire (24 AWG TC)	HDFPE Blue White	–	–			
		CEC: CMG FT4	1000	305	44.1	20.0	–								–				
											1xPower	2 Conductors 18 AWG 1.2 mm (16x30) TC	Unshielded	F-R-PVC Red Black	–	–			
1 STP + 2 CDR Sequential footing marking every 0.6 m.											Pulling Tension: 266 N								



1 STP + 2 CDR  
Sequential footing marking every 0.6 m.

Pulling Tension: 266 N

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		Nom. Imp. ( )	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/ 100 m

**22 AWG** • Solid 0.6 mm Bare Copper • Twisted Pair

Polyolefin Insulation • White FRNC/LSNH Jacket																				
80°C	<b>7701NH</b>	IEC	1000	305	10.6	4.8	0.64 mm 22 AWG Solid BC	0.046	1.17	Unshielded	0.138	3.50	100	68%	14.0	46.0	0.772	0.4	1.3	
		33203C	1640	500	17.6	8.0									1	0.5	1.5			
		BS 7655													4	0.9	3.1			
															10	1.5	4.9			
																	16	1.9	6.3	
																		20	2.1	6.9






Color Code: White/Blue and Blue/White

LonWorks

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

**Composite Data, Audio, Video, Security and Control Cables****Multimedia Control Cables**

RESIDENTIAL

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		Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance		Color Code	
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m		
<b>20 AWG • Solid 0.8 mm Bare Copper • Twisted Pair • Plastic Foil • 26 AWG Bare Copper Drain Wire</b>																		
<b>PVC Insulation • Green F-R PVC Jacket</b>																		
300V RMS 70°C	<b>YE00820</b>	NEC: CMR CEC: CMR FT4	100 500 1000	30 152 305	11.5 57.3 114.6	5.2 26.0 52.0	0.81 mm 20 AWG Solid BC	0.056 1.43		Overall Alu-foil + Drain Wire (26 AWG BC)	0.276 7.00		- 73	CDR/CDR CDR/SCR	30.0 91.0	100.0 300.0	Red, Black White, Yellow	
																		
EIB/KNX																		
Pulling Tension: 50 N																		
<b>PVC Insulation • Green F-R LSNH/FRNC Jacket</b>																		
300V RMS 70°C	<b>YE00906</b>	NEC: CMR CEC: CMR FT4	100 500 1000	30 152 305	12.3 61.7 123.5	5.6 28.0 56.0	0.81 mm 20 AWG Solid BC	0.063 1.60		Overall Alu-foil + Drain Wire (26 AWG BC)	0.283 7.20		- 73	CDR/CDR CDR/SCR	30.0 91.0	100.0 300.0	Red, Black White, Yellow	
																		
EIB/KNX																		
Pulling Tension: 50 N																		
<b>16 AWG • Stranded (19x29) 1.5 mm Tinned Copper • Twisted Pair</b>																		
<b>PVC Insulation • Chrome PVC Jacket</b>																		
300V 60°C UL AWM Style 2598	<b>8471</b>	NEC: CMG CEC: CMG FT4	U-500 500 U-1000 1000	U-152 152 U-305 305	21.0 20.0 41.0 43.0	9.5 9.1 18.6 19.5	1.47 mm 16 AWG (19x29) TC	0.105 2.67	Unshielded	0.274 6.96		- -	CDR/CDR	30.0	100.0	Black, White		
																		
LonWorks																		
Pulling Tension: 271 N																		

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors