

Security Coaxial Cables

Surveillance and CCTV Applications



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

H109A • Solid 1.0 mm Bare Copper • Copper-foil • 55 % Bare Copper Braid

5-Cell Gas-Injected Polyethylene Insulation • Black PVC Jacket																			
80°C	H109A00	328	100	10.4	4.7	1.0 mm	0.185	4.70	Cu-foil + 55% BC Braid 15.0 /km*** 5.2 mm	0.262	6.65	75	80%	17.1	56.0	5	0.5	1.6	
		820	250	37.9	17.2	Solid BC	41.0 /km*	50								1.4	4.6		
		1640	500	75.7	34.4	26.0 /km**	100	2.0								6.5			
							230	3.0								9.8			
															400	4.5	14.8		
															800	5.9	19.2		
															860	5.9	19.5		
															1000	6.6	21.5		



1.0/4.8

Return loss at 5-470 MHz: 23 dB
470-862 MHz: 20 dB
862-2150 MHz: 18 dB

Screening attenuation at 30-1000 MHz: 75 dB
Transfer impedance at 5-30 MHz: 15.0 m /m
Pulling Tension: 55 N

H125A • Solid 1.0 mm Bare Copper • Duofoil® • 40 % Tinned Copper Braid

Gas-Injected Polyethylene Insulation • PVC Jacket (Brown, Black and White)																			
80°C	H125A00	328	100	10.4	4.7	1.0 mm	0.189	4.80	Duofoil® + 40% TC Braid 27.0 /km***	0.268	6.80	75	81%	16.8	55.0	5	0.5	1.8	
		820	250	26.0	11.8	Solid BC	50.0 /km*	50								1.4	4.7		
		1640	500	51.8	23.5	23.0 /km**	100	2.0								6.5			
							230	3.0								9.8			
															400	3.9	12.9		
															800	5.7	18.6		
															860	5.9	19.3		
															1000	6.4	20.9		



1.0/4.8

Return loss at 5-470 MHz: 23 dB
470-862 MHz: 20 dB
862-2150 MHz: 18 dB

Screening attenuation at 30-1000 MHz: 75 dB
Transfer impedance at 5-30 MHz: 40.0 m /m
Pulling Tension: 55 N

H121A • Solid 0.8 mm Bare Copper • Duofoil® • 40 % Tinned Copper Braid

Gas-Injected Polyethylene Insulation • PVC Jacket (Brown, Black and White)																			
80°C	H121A00	328	100	15.1	6.9	0.8 mm	0.138	3.50	Duofoil® + 40% TC Braid 40.0 /km*** 4.1 mm	0.197	5.00	75	82%	16.5	54.0	5	0.5	1.7	
		820	250	37.9	17.2	Solid BC	75.0 /km*	50								1.8	5.9		
		1640	500	75.7	34.4	35.0 /km**	100	2.0								8.1			
							230	3.7								12.1			
															400	4.8	15.9		
															800	6.9	22.7		
															860	7.2	23.6		
															1000	7.8	25.6		



1.0/4.8

Return loss at 5-470 MHz: 20 dB
470-862 MHz: 18 dB
862-2150 MHz: 16 dB

Screening attenuation at 30-1000 MHz: 75 dB
Transfer impedance at 5-30 MHz: 40.0 m /m
Pulling Tension: 55 N

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper


Duofoil® see technical information page 23.13.

Security Coaxial Cables


Surveillance and CCTV Applications


Shielded or Flooded for Use in Underground Ducts




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
20 AWG • Solid 0.8 mm Bare Copper • 95 % Bare Copper Braid																			
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	443945	IEC 60754-2	328 1640	100 500	10.6 52.5	4.8 23.8	0.81 mm 20 AWG Solid BC 32.8 /km* 21.4 /km**	0.145 3.68	3.68	95% BC Braid 11.4 /km***	0.232 5.90	5.90	75	83%	16.3 53.5	53.5	1 5 10 50 100 200 400 700 900 1000	0.3 0.7 2.0 1.9 2.6 3.6 5.0 7.0 8.0 8.5	1.0 2.1 3.0 6.2 8.5 11.8 16.4 23.0 26.2 27.9
																			
RG-59																			
Nominal Delay: 3.97 ns/m										Pulling Tension: 218 N									


18 AWG • Solid 1.0 mm Bare Copper • 95 % Bare Copper Braid

Foam PE Insulation • PVC Jacket (White or Black)																			
75°C	533945	NEC: CM CEC: CM FT1	500 U-1000 1000	152 U-305 305	20.9 39.9 41.0	9.5 18.1 18.6	1.02 mm 18 AWG Solid BC 20.9 /km* 10.8 /km**	0.180 4.57	4.57	95% BC Braid 10.1 /km***	0.266 6.76	6.76	75	83%	16.3 53.5	53.5	1 5 10 50 100 200 400 700 900 1000	0.2 0.5 2.0 1.5 2.1 4.8 6.9 9.8 14.1 19.0 22.0 23.3	0.7 1.5 2.1 4.8 6.9 9.8 14.1 19.0 22.0 23.3
																			
RG-6																			
Nominal Delay: 4.003 ns/m										Pulling Tension: 507 N									

Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	433945	IEC 60754-2	328 1640	100 500	13.4 67.2	6.1 30.5	1.02 mm 18 AWG Solid BC 20.9 /km* 10.8 /km**	0.180 4.57	4.57	95% BC Braid 10.1 /km***	0.266 6.75	6.75	75	83%	16.3 53.5	53.5	see above	see above	see above
																			
RG-6																			
Nominal Delay: 4.003 ns/m										Pulling Tension: 507 N									

14 AWG • Solid 1.6 mm Bare Copper • 95 % Bare Copper Braid

Gas-Injected Foam PE Insulation • Black PVC Jacket																			
75°C	513945	NEC: CM CEC: CM FT1	500 1000	152 305	52.5 98.1	23.8 44.5	1.63 mm 14 AWG Solid BC 8.5 /km* 4.6 /km**	0.280 7.11	7.11	95% BC Braid 3.9 /km***	0.405 10.29	10.29	75	84%	16.1 52.8	52.8	1 10 50 100 200 400 700 900 1000	0.2 0.4 0.9 1.3 1.9 2.9 4.1 4.8 5.2	0.6 1.1 3.0 4.3 6.2 9.5 13.5 15.7 17.1
																			
RG-11																			
Nominal Delay: 3.97 ns/m										Pulling Tension: 640 N									

Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	413945	IEC 60754-2	500 1640	152 500	100.0 159.4	14.5 72.3	1.63 mm 14 AWG Solid BC 8.5 /km* 4.6 /km**	0.280 7.11	7.11	95% BC Braid 3.9 /km***	0.406 10.30	10.30	75	84%	16.1 52.8	52.8	see above	see above	see above
																			
RG-11																			
Nominal Delay: 3.97 ns/m										Pulling Tension: 640 N									

*DC loop resistance • **DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper

Security Coaxial Cables

Water-Blocked for Use in Underground Ducts



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

20 AWG • Solid 0.8 mm Bare Copper • Duobond® II • 95 % Tinned Copper Braid • CoreGuard®

Gas-Injected Foam PE Insulation • Black UV-Resistant PVC Jacket																			
75°C	5439W5	NEC:	U-500	U-152	17.4	7.9	0.81 mm	0.145	3.68	Duobond® II + 95% TC Braid 8.2 /km***	0.236	5.99	75	83%	16.3	53.5	1	0.3	1.0
		CM	500	152	17.4	7.9	20 AWG	5	0.6								2.1		
		CEC:	U-1000	U-305	34.0	15.4	Solid BC	10	2.0								2.9		
		CM FT1	1000	305	34.0	15.4	32.8 /km*	50	1.7								5.6		
							24.6 /km**	100	2.3								7.5		
																200	3.4	11.2	
																	400	4.7	15.4
																	700	6.3	20.7
																	900	7.3	24.0
																	1000	7.8	25.6



CoreGuard®

RG-59

Nominal Delay: 3.97 ns/m

Pulling Tension: 253 N

18 AWG • Solid 1.0 mm Bare Copper • Duofoil® • 60 % Aluminum Braid • CoreGuard®

Gas-Injected Foam PE Insulation • Black UV-Resistant PVC Jacket																			
75°C	5339W5	NEC:	U-500	U-152	15.4	7.0	1.02 mm	0.180	4.57	Duofoil® + 60% AL Braid 10.1 /km***	0.270	6.86	75	83%	16.3	53.5	4	0.6	2.0
		CM	500	152	15.4	7.0	18 AWG	30	1.3								4.4		
		CEC:	U-1000	U-305	30.0	13.6	Solid BC	211	2.0								10.1		
		CM FT1	1000	305	30.0	13.6	20.9 /km*	270	3.5								11.5		
							10.8 /km**	300	3.7								12.1		
																	330	3.9	12.8
																	400	4.3	14.1
																	450	4.6	15.0
																	550	5.1	16.7
																	750	6.0	19.7
																	870	6.5	21.3
																	1000	7.0	23.0



CoreGuard®

RG-6

Nominal Delay: 3.97 ns/m

Pulling Tension: 302 N

*DC loop resistance • **DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • AL = Aluminum

Duofoil® and Duobond® II see technical information page 23.13.

20 • New Generation® Cables

Security Coaxial Cables

CATV and MATV Applications Commercial or Schlage Systems



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

18 AWG • Solid 1.0 mm Bare Copper • Duofoil® • 60% Aluminum Braid

Gas-Injected Foam PE Insulation • PVC Jacket (White or Black)																											
75°C	5339B5	NEC:	U-500	U-152	17.4	7.9	1.02 mm	0.180	4.57	Duofoil® + 60% AL Braid	0.266	6.76	75	83%	16.3	53.5	5	0.8	2.7								
		CM:	500	152	15.4	7.0	18 AWG																				
		CEC:	U-1000	U-305	34.0	15.4	Solid BC																				
		CM FT1	1000	305	35.1	15.9	20.9 /km*										10.1 /km***										
							10.8 /km**																				
																	211	2.0	10.1								
																	270	3.5	11.5								
																	300	3.7	12.1								
																	330	3.9	12.8								
																	400	4.3	14.1								
																	450	4.6	15.0								
																	550	5.1	16.7								
																	750	6.0	19.7								
																	870	6.5	21.3								
																	1000	7.0	23.0								



Series 6
RG-6

Also available in White.

Nominal Delay: 3.97 ns/m
Pulling Tension: 302 N

Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket

70°C	4339B5	IEC	328	100	11.9	5.4	1.02 mm	0.180	4.57	Duofoil® + 63% BC Braid	0.272	6.90	75	83%	16.3	53.5	see above									
		60754-2	1640	500	59.3	26.9	18 AWG																			
		IEC 332-1					Solid BC																			
							20.9 /km*										10.1 /km***									
							10.8 /km**																			



Series 6
RG-6

Nominal Delay: 3.97 ns/m
Pulling Tension: 302 N

18 AWG • Solid 1.0 mm Bare Copper • Quad Shield

Gas-Injected Foam PE Insulation • PVC Jacket (White or Black)																									
75°C	5339Q5	NEC:	500	152	19.0	8.6	1.02 mm	0.180	4.57	Duofoil® + 60% AL Braid	0.298	7.57	75	83%	16.3	53.5	see above								
		CM:	U-1000	U-305	35.9	16.3	18 AWG																		
		CEC:	1000	305	35.9	16.3	Solid BC																		
		CM FT1					20.9 /km*										10.1 /km***								
							10.8 /km**																		



Series 6
RG-6

Nominal Delay: 3.97 ns/m
Pulling Tension: 462 N

Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket

70°C	4339Q5	IEC	328	100	12.3	5.6	1.02 mm	0.180	4.57	Duofoil® + 60% AL Braid	0.299	7.60	75	83%	16.3	53.5	see above								
		60754-2	1640	500	62.6	28.4	18 AWG																		
		IEC 332-1					Solid BC																		
							20.9 /km*										10.1 /km***								
							10.8 /km**																		



Series 6
RG-6

Nominal Delay: 3.97 ns/m
Pulling Tension: 462 N

18 AWG • Solid 1.0 mm Bare Copper • Duobond® (Schlage Systems) • 60% Aluminum Braid

Foam PE Insulation • Black PVC Jacket																										
75°C	5399B5	NEC:	U-1000	U-305	28.0	12.7	1.02 mm	0.180	4.57	Duobond® + 60% AL Braid	0.270	6.86	75	83%	16.3	53.5	4	0.6	2.0							
		CM:	1000	305	29.1	13.2	18 AWG																			
		CEC:					Solid BC																			
		CM FT1					20.9 /km*										10.1 /km***									
							10.8 /km**																			



Series 6
RG-6

Nominal Delay: 3.97 ns/m
Pulling Tension: 302 N

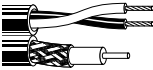
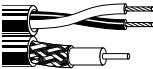
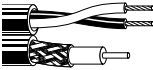
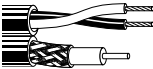
*DC loop resistance • **DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • AL = Aluminum

Quad Shield = Duofoil Tape + 60% Aluminum Braid + Duofoil Tape + 40% Aluminum Braid
Duofoil® and Duobond® see technical information page 23.13.

Security Composite Cables

CCTV Plus Audio or Pan and Tilt CCTV Control Applications



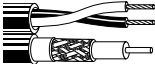
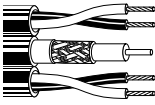

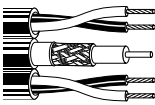
De-scription	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Component	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD		
			ft.	m	lbs.	kg		inch	mm						inch	mm	
Composite • (1) Pair Unshielded 18 AWG • (1) Coax Solid 0.8 mm Bare Copper • 95 % Bare Copper Braid																	
PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket																	
300V 75°C	549945	NEC: CM CEC: CM FT1	500 1000	152 305	30.0 60.2	13.6 27.3	Unshielded	0.460	11.68	2xData	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PVC 1.47 mm	PVC Black	0.228	5.79	
											1xCoax	20 AWG 0.8 mm Solid BC	95% BC	Foam Polyolefin	PVC Black	0.232	5.89
RG-59																	
Color Code 1-Pair: Black and Red																	
PVC Insulation (Pairs) • Foam Insulation (Coax) • Grey FRNC/LSNH Jacket																	
300V 70°C	449945	IEC 60754-2	328 1640	100 500	19.8 98.8	9.0 44.8	Unshielded	0.461	11.70	2xData	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PE 1.47 mm	FRNC Grey	0.228	5.79	
											1xCoax	20 AWG 0.8 mm Solid BC	95% BC	Foam PE	FRNC Grey	0.232	5.90
RG-59																	
Color Code 1-Pair: Black and Red																	
Composite • (1) Pair Unshielded 18 AWG • (1) Coax Solid 1.0 mm Bare Copper • 95 % Bare Copper Braid																	
PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket																	
300V 75°C	539945	NEC: CM CEC: CM FT1	500 1000	152 305	34.2 69.0	15.5 31.3	Unshielded	0.500	12.70	2xData	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PVC 1.47 mm	PVC Black	0.228	5.79	
											1xCoax	18 AWG 1.0 mm Solid BC	95% BC	Foam Polyolefin	PVC Black	0.266	6.76
RG-6 Kötter approved																	
Color Code 1-Pair: Black and Red																	
PVC Insulation (Pairs) • Foam Insulation (Coax) • Grey FRNC/LSNH Jacket																	
300V 70°C	439945	IEC 60754-2	328 1640	100 500	22.9 114.9	10.4 52.1	Unshielded	0.500	12.70	2xData	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PE 1.47 mm	FRNC Grey	0.228	5.79	
											1xCoax	18 AWG 1.0 mm Solid BC	95% BC	Foam PE	FRNC Grey	0.268	6.80
RG-6 Kötter approved																	
Color Code 1-Pair: Black and Red																	

BC = Bare Copper • DCR = DC resistance

Security Composite Cables

CCTV Plus Audio or Pan and Tilt CCTV Control Applications



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component Insulation OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm
Composite • (2) Conductor 26 AWG • (1) Coax Solid 0.4 mm Bare Copper • Alu Triplex/Duplex • 72% Tinned Copper Braid																
PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket																
	SEC0001		328	100	11.7	5.3	Unshielded	0.252	6.40	1xData	2 Conductor 26 AWG 0.50 mm (16x0.193) BC	Unshielded	PVC 1.90 mm	PVC	0.062	1.57
										1xCoax	21 AWG 0.41 mm Solid BC	Alu Triplex/Duplex 72% TC Braid	Foam Polyethylene	PVC	0.142	3.60
Composite • (2) Conductor 16 AWG • (1) Coax Solid 0.8 mm BC • Alu Triplex/Duplex • 55% Tinned Copper Braid • (2) Conductor 26 AWG																
PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket																
	SEC0002		328	100	29.8	13.5	Unshielded	0.315	8.00	1xData	2 Conductor 16 AWG 1.50 mm (30x0.25) BC	Unshielded	PE 3.50 mm	PVC	0.101	2.56
										1xCoax	20 AWG 0.81 mm Solid BC	Alu Triplex/Duplex 55% TC Braid	Foam Polyethylene	PVC	0.142	3.60
										1xControl	2 Conductor 26 AWG 0.50 mm (16x0.20) BC	Unshielded	PE 3.50 mm	PVC	0.062	1.57
Composite • (2) Conductor 20 AWG • (1) Coax Solid 0.4 mm Bare Copper • Alu Triplex/Duplex • 72% Tinned Copper Braid																
PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket																
	SEC0003		328	100	14.8	6.7	Unshielded	0.291	7.40	1xData	2 Conductor 20 AWG 1.00 mm (32x0.20) BC	Unshielded	PVC 1.90 mm	PVC	0.085	2.17
										1xCoax	26 AWG 0.41 mm Solid BC	Alu Triplex/Duplex 72% TC Braid	Foam Polyethylene	PVC	0.142	3.60
Composite • (2) Conductor 24 AWG • (1) Coax Solid 0.4 mm BC • Alu Triplex/Duplex • 72% Tinned Copper Braid • (2) Conductor 26 AWG																
PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket																
	SEC0004		328	100	13.4	6.1	Unshielded	0.260	6.60	1xData	2 Conductor 24 AWG 0.22 mm (30x0.25) BC	Unshielded	PVC 1.90 mm	PVC	0.045	1.15
										1xCoax	26 AWG 0.41 mm Solid BC	Alu Triplex/Duplex 72% TC Braid	Foam Polyethylene	PVC	0.142	3.60
										1xControl	2 Conductor 26 AWG 0.50 mm (16x0.20) BC	Unshielded	PE 3.50 mm	PVC	0.062	1.57

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

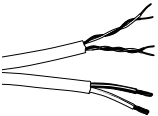
Security Composite Cables

CCTV PTZ Camera Cable



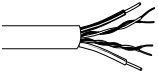
De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

Composite • (1) 2-Pair UTP 24 AWG • (2) 16 AWG (19x29) 1.47 mm Tinned Copper Conductors

Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • PVC Jacket (White or Black)																
	5284US	NEC:	500	152	25.5	11.6	Unshielded	0.426	10.80	1xData	2-Pair UTP 24 AWG 0.50 mm Solid BC	Unshielded	Polyolefin	F-R PVC	0.200	5.08
		CMR:	1000	305	44.0	20.0										
										2xPower	2-Conductor 16 AWG 1.47 mm (19x29) TC	Unshielded	PVC 2.03 mm	PVC	0.226	5.74

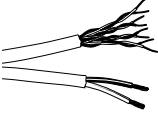
Jacket sequentially marked.

Composite • (1) 2-Pair UTP 23 AWG • (2) 16 AWG (19x29) 1.47 mm Tinned Copper Conductors

Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • PVC Jacket (White or Black)																
	5284UE	NEC:	500	152	22.5	10.2	Unshielded	0.233	5.92	1xData	2-Pair UTP 23 AWG 0.60 mm Solid BC	Unshielded	Polyolefin 1.01 mm	-	-	-
		CMR:	1000	305	44.0	20.0										
										2xPower	2-Conductor 16 AWG 1.47 mm (19x29) TC	Unshielded	PP 1.96 mm	-	-	-

Jacket sequentially marked.

Composite • (1) Cat 5e 4-Bonded-Pair UTP 24 AWG • (2) 16 AWG (19x29) 1.47 mm Tinned Copper Conductors

Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • PVC Jacket (White or Black)																
	5288US	NEC:	500	152	27.5	12.5	Unshielded	0.424	10.80	1xData	4-Pair UTP 24 AWG 0.50 mm Solid BC	Unshielded	Polyolefin	F-R PVC	0.198	5.03
		CMR:	1000	305	52.0	23.6										
										2xPower	2-Conductor 16 AWG 1.47 mm (19x29) TC	Unshielded	PVC 2.03 mm	PVC	0.226	5.74

Jacket sequentially marked.

TC = Tinned Copper • BC = Bare Copper • 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

Security Composite Cables**CCTV Fixed and PTZ Camera Cable**

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			ACR dB/100m	Min. RL dB		
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m				
DataTwist® Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper Conductors • Rip Cord																					
Polyolefin Insulation • Flexible Matte Black PVC Jacket • Category 5e																					
 4-Pair	1583E		B-328	B-100	6.1	2.8	0.51 mm 24 AWG Solid BC	0.035	0.90	Non- Bonded-Pair Unshielded U/UTP	0.197	5.00	1	2.1	62.0	60.2	61.0	63.2	20.0		
			U-1000	U-305	18.7	8.5									4	4.0	53.0	49.3	49.0	52.3	23.0
			1000	305	18.7	8.5									8	5.7	49.0	43.1	43.0	46.1	24.5
			1640	500	30.9	14.0									10	6.3	47.0	41.0	41.0	44.0	25.0
			3280	1000	61.7	28.0									16	8.0	44.0	36.2	37.0	39.2	25.0
															20	9.0	43.0	33.8	35.0	36.8	23.6
															25	10.1	41.0	31.2	33.0	34.2	24.3
															31.25	11.4	40.0	28.5	31.0	31.5	23.6
															62.5	16.5	35.0	18.8	25.0	21.8	21.5
															100	21.3	32.0	11.0	21.0	14.0	20.1
Input Impedance () 100 + 15%										Color Code: see chart below											
500 m put-up available in Grey only.										Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2											

DataTwist® Cat 5e+ • 24 AWG • Solid 0.5 mm Bare Copper Conductors • Rip Cord

Polyolefin Insulation • PVC Jacket (Red, Orange, Yellow, Green, White, Blue and Dark Grey)																					
 4-Pair	1500A	NEC:	A-1000	A-305	26.0	11.8	0.51 mm 24 AWG Solid BC	0.035	0.89	Non- Bonded-Pair Unshielded U/UTP	0.190	4.83	1	2.0	65.3	63.3	60.8	-	20.0		
		CM	1000	305	22.9	10.4									4	4.0	56.3	52.3	48.7	-	23.0
		CEC:													8	5.7	51.8	46.1	42.7	-	24.5
		CM													10	6.4	50.3	43.9	40.8	-	25.0
															16	8.1	47.3	39.1	36.7	-	25.0
															25	10.3	44.3	34.1	32.8	-	24.3
															31.25	11.6	42.9	31.3	30.9	-	23.6
															62.5	16.8	38.4	21.6	24.8	-	21.5
															100	21.7	35.3	17.1	20.8	-	20.1
															155	27.7	32.5	4.7	16.9	-	19.0
					200	32.0	30.8	3.0	14.7	-	19.0										
					250	36.4	29.3	-	12.8	-	18.0										
					300	44.3	27.2	-	9.9	-	17.0										
Input Impedance () 1-16: 100 + 12%										Color Code: see chart below											
25-100: + 15%										Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2											
155: + 18%																					
200-250: + 20%																					
350: + 22%																					

DataTwist® Cat 6 • 23 AWG • Solid 0.6 mm Bare Copper Conductors • Central Rod Filler • Rip Cord

Polyolefin Insulation • PVC Jacket (Red, Orange, Yellow, Green, White, Blue and Dark Grey)																													
 4-Pair	7881A	NEC:	A-1000	A-305	33.1	15.0	0.57 mm 23 AWG Solid BC	0.043	1.09	Non- Bonded-Pair Unshielded U/UTP	0.235	5.97	1	2.0	72.3	70.3	64.8	-	20.0										
		CM	1000	305	30.0	13.6									10	6.0	57.3	51.3	44.8	-	25.0								
		CEC:													20	8.5	52.8	44.3	38.7	-	25.0								
		CMR FT4													31.25	10.7	49.9	39.2	34.9	-	23.6								
															62.5	15.4	45.4	30.0	28.8	-	21.5								
															100	19.8	42.3	22.5	24.8	-	20.1								
															200	29.0	37.8	8.8	18.7	-	18.0								
															250	32.8	36.3	3.5	16.8	-	17.3								
		Input Impedance () 1-100: 100 + 15%													Color Code: see chart below														
		200: + 22%													Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2														
250: + 32%																													

BC = Bare Copper • DCR = DC resistance


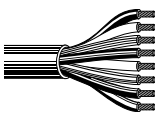

Color Code

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

Security Composite Cables

Video Control System Cables



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component Insulation OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm
Composite • (3) Conductor 20 AWG • (1) Coax Solid 0.6 mm Bare Copper • 55% Tinned Copper Braid • (9) Conductor 20 AWG																
PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket																
	SEC0005		328	100	48.5	22.0	Unshielded	0.472	12.00	Power	3 Conductor 20 AWG 1.00 mm (20x0.243) BC	Unshielded	PVC	PVC	0.085	2.17
										Coax	23 AWG 0.58 mm Solid BC	55% TC Braid	PE 3.70 mm	PVC	0.146	3.70
										Control	9 Conductor 22 AWG 0.75 mm (22x0.193) BC	Unshielded	PVC	PVC	0.070	1.77
Composite • (2) Conductor 16 AWG • (3) Pair 28 AWG																
PVC Insulation • Grey PVC Jacket																
	SEC0006		328	100	26.5	12.0	Unshielded	0.374	9.50	Power	2 Conductor 16 AWG 1.50 mm (30x0.25) BC	Unshielded	PVC	PVC	0.101	2.56
										Control	3-Pair 28 AWG 0.35 mm (11x0.193) BC	Unshielded	PVC	PVC	0.056	1.42
Composite • (2) Conductor 22 AWG • (1) Coax Solid 0.75 mm BC • 80% Tinned Copper Braid • (6) Conductor 26 AWG • (3) Pair 28 AWG																
PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket																
	SEC0007		328	100	36.4	16.5	Unshielded	0.421	10.70	Power	2 Conductor 22 AWG 0.75 mm (22x0.193) BC	Unshielded	PE	PVC	0.070	1.77
										Coax	21 AWG 0.75 mm Solid BC	80% TC Braid	PE	PVC	0.134	3.40
										Data	6 Conductor 26 AWG 0.50 mm (16x0.193) BC	Unshielded	PE	PVC	0.062	1.57
										Control	3-Pair 28 AWG 0.35 mm (11x0.193) BC	Unshielded	PE	PVC	0.056	1.42

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

Security Composite Cables

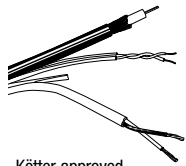
Banana Peel® PTZ Camera Cable Composite Cables Jacketless



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

Composite • **(1) Coax** 20 AWG 0.8 mm • **(1) Pair Unshielded** 23 AWG 0.6 mm • **(2) CDR Unshielded** 18 AWG 1.2 mm • **Banana Peel®**
Unjacketed, Bonded to Central Spine

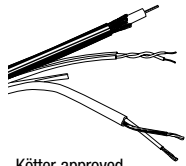
PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket																	
300V 75°C	500PTZ	NEC:	500	152	36.8	17.5	0.409	10.40	Video	1-Coax RG59/U 20 AWG 0.81 mm Solid BC	95% BC	Foam Polyethylene 5.76 mm	F-R PV Black	0.227	5.77		
		CMR:	1000	305	71.2	32.3											
		CEC: CMG FT4 Shaft UL 1666														White, Blue	Control
							Red, Black	Power	2-Conductor 18 AWG 1.22 mm (7x26) BC	Unshielded	PVC 2.20 mm	PVC White	0.171	4.34			



Kötter approved

Composite • **(1) Coax** 20 AWG 0.8 mm • **(1) Pair Shielded** 22 AWG 0.6 mm • 22 AWG Drain Wire • **(2) CDR Unshielded** 18 AWG 1.2 mm •
Banana Peel® Unjacketed, Bonded to Central Spine

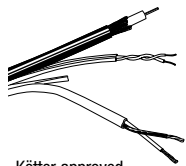
PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket																	
300V 75°C	501PTZ	NEC:	500	152	41.0	18.6	0.417	10.60	Video	1-Coax RG59/U 20 AWG 0.81 mm Solid BC	95% BC	Foam Polyethylene 5.76 mm	F-R PV Black	0.219	5.57		
		CMR:	1000	305	76.1	34.5											
		CEC: CMG FT4 Shaft UL 1666														White/Blue Stripe, Blue	Control
							Red, Black	Power	2-Conductor 18 AWG 1.22 mm (7x26) BC	Unshielded	PVC 2.20 mm	PVC White	0.171	4.34			



Kötter approved

Composite • **(1) Coax** 20 AWG 0.8 mm • **(1) Pair Shielded** 18 AWG 1.2 mm • 20 AWG Drain Wire • **(2) CDR Unshielded** 18 AWG 1.2 mm •
Banana Peel® Unjacketed, Bonded to Central Spine

PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket																	
300V 75°C	502PTZ	NEC:	500	152	50.0	22.7	0.453	11.50	Video	1-Coax RG59/U 20 AWG 0.81 mm Solid BC	95% BC	Foam Polyethylene 5.76 mm	F-R PV Black	0.219	5.57		
		CMR:	1000	305	93.9	42.6											
		CEC: CMG FT4 Shaft UL 1666														White/Blue Stripe, Blue	Control
							Red, Black	Power	2-Conductor 18 AWG 1.22 mm (7x26) BC	Unshielded	PVC 2.20 mm	PVC White	0.171	4.34			



Kötter approved

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

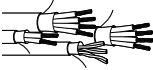
Security Composite Cables

Banana Peel® Access Control Composite Cables Jacketless



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

Composite • **4 CDR Beldfoil®** 18 AWG 1.22 mm • **3 Pair Beldfoil®** 22 AWG 0.8 mm • **2 CDR Beldfoil®** 22 AWG 0.8 mm • **4 CDR Beldfoil®** 22 AWG 0.8 mm • **Banana Peel®** Unjacketed, Bonded Central Spline

PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket																	
 Kötter approved	300V 75°C	558AFS	NEC: CMR CEC: CMG	500 1000	152 305	58.4 108.0	26.5 49.0	White, Black, Red, Green	0.448	11.38	Lock Power	4-Conductor 18 AWG 1.22 mm (7x26) BC	Overall Beldfoil®	PVC 2.89 mm	PVC Grey	0.202	5.13
								White & Green, Orange & Brown, Red & Black			Card Reader	3-Pair 22 AWG 0.76 mm (7x30) BC	Overall Beldfoil®	PVC 1.25 mm	PVC Orange	0.233	5.92
								Black, Red			Door Contact	2-Conductor 22 AWG 0.76 mm (7x30) BC	Overall Beldfoil®	PVC 2.00 mm	PVC White	0.140	3.56
								White, Black, Red, Green			Rex/ Spare	4-Conductor 22 AWG 0.76 mm (7x30) BC	Overall Beldfoil®	PVC 2.00 mm	PVC Blue	0.161	4.09

BC = Bare Copper • DCR = DC resistance