

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: CMR	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	
			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: CMR	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	-	-	-	
			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: CMR	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	
			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																					
 Rip Cord 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)																					
 Rip Cord 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)																													
 Rip Cord 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