

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																					
<p>Rip Cord</p> <p>4-Pair</p>	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 (Ω) 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)																					
<p>Rip Cord</p> <p>4-Pair</p>	1500A	NEC: CM CEC: CM	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		
			1000	305	22.9	10.4									4	4.0	56.3	52.3	48.7	-	23.0
															8	5.7	51.8	46.1	42.7	-	24.5
															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 (Ω) 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)																														
<p>Rip Cord</p> <p>4-Pair</p>	7881A	NEC: CM CEC: CMR FT4	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											
			1000	305	30.0	13.6									10	6.0	57.3	51.3	44.8	-	25.0									
															20	8.5	52.8	44.3	38.7	-	25.0									
															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 (Ω) 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