



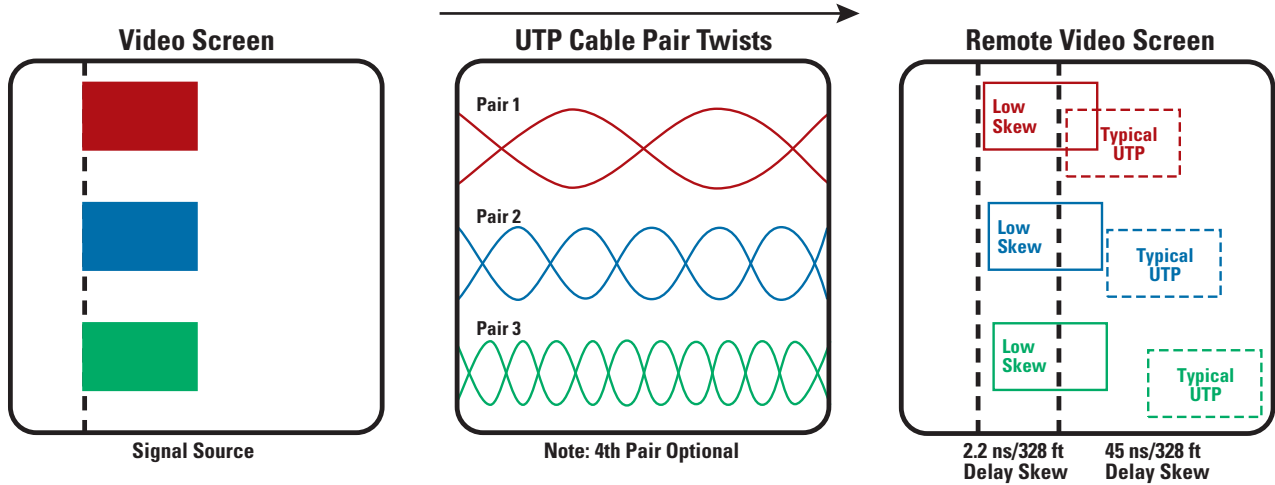
Low Skew 4 Pair UTP Cables for RGB Video



General Cable's **Carol® Brand Low Skew UTP Cable** is manufactured for your RGB video and Digital CCTV camera needs. While the basic elements of the Low Skew Cable construction are similar to a UTP Cable (Category cable) used for data transmission, the design of the pair twists is the secret to delivering information in a manner necessary for streaming high-quality video.

Your cable selection should be based on your application's electrical and mechanical needs, optimizing your system performance and cost. All Carol Brand coaxial cable and UTP cables are manufactured to the highest standards, providing low structural return loss (signal noise in the form of Echo), providing maximum performance.

The cable performance chart shown below is intended to provide comparative data to assist you in choosing the right cable. The values are based on maximum distance while maintaining minimum acceptable skew. Note that TIA/EIA standards for RGB require a maximum of 40 nsec per 328' and Cat 5e maximum of 45 nsec per 328' for Time Delay Skew (the difference between the fastest and slowest signal). Carol Brand Low Skew Cable allows for a compact, cost-effective cable solution over considerably longer cable run options. A prudent design also considers maximum allowed attenuation based on active and passive components and installation considerations within your system design. A more typical installation length is 328 feet, which allows for optimum signal clarity and crisp, brilliant video resolution.





Cable Typical 24 AWG Conductors	Time Delay Skew nsec/328 ft (max)	RGB (TIA/EIA Spec calls for Max 40 ns/328 ft)			Cost* \$/328 ft	Applications
		Max Distance ft	Typical Attenuation @ 100MHz dB/328 ft	Test Frequency MHz		
Cat 3 LAN	45	292	16.0	55	1	Paging and Video Intercom
Cat 5e LAN	45	328	19.3	100	2	Private CCTV
10G BASE-T (Cat 6A)	35	370	39.5	500	7	Mass Data Centers less than 55 ft
Cat 6 LAN	30	440	41.0	250	4	Monitor and Analog Video
Cat 6+ LAN	25	530	43.5	350	5	Projection on large auditorium
Cat 6++ LAN	10	1300	45.6	500	6	Monitor and VDT display
Coax Component Video	9	1460	16.2	3000	8	HDTV, Broadcast, RF
Low Skew UTP	2.2	5960	22.0	450	3	Analog Video or Digital CCTV, RGB Video (Not intended for CATV)

*Lowest cost = \$1

For more information, contact your local General Cable representative.





24 AWG 4 PAIR UTP

CATALOG NUMBER	AWG SIZE	NOM. DCR	NOM. O.D. INCHES	INSULATION MATERIAL		NOMINAL IMPEDANCE, OHMS	PROPAGATION DELAY SKEW	NOMINAL ATTENUATION		BELDEN PART NO.
				INCHES	mm			MHz	dB/328ft	
Low Skew Type										
E3842S CMP 	24 AWG Solid Bare Copper	27.4Ω/Mft	0.185	Fluorinated Ethylene Propylene (FEP)		100	2.2 ns/328 ft	1	2.0	7987P
				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					
300*	41.0									
350*	44.8									
E1842S CMR 	24 AWG Solid Bare Copper	27.4Ω/Mft	0.185	High Density Propylene (HDPE)		100	2.2 ns/328 ft	1	2.0	7987R
				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					
300*	41.0									
350*	44.8									

* For information only

23 AWG 4 PAIR UTP

CATALOG NUMBER	AWG SIZE	NOM. DCR	NOM. O.D. INCHES	INSULATION MATERIAL		NOMINAL IMPEDANCE, OHMS	PROPAGATION DELAY SKEW	NOMINAL ATTENUATION		BELDEN PART NO.
				INCHES	mm			MHz	dB/328ft	
Low Skew Type										
E3843S CMP 	23 AWG Solid Bare Copper	22.0Ω/Mft	0.200	Fluorinated Ethylene Propylene (FEP)		100	2.2 ns/328 ft	1	2.0	7989P
				4	3.8					
				8	5.3					
				10	6.0					
				16	7.6					
				20	8.5					
				25	9.5					
				31.25	10.7					
				62.5	15.4					
				100	19.8					
				155	25.2					
				200	29.0					
				250	32.8					
300*	35.2									
350*	39.8									
E1843S CMR 	23 AWG Solid Bare Copper	22.0Ω/Mft	0.213	High Density Propylene (HDPE)		100	2.2 ns/328 ft	1	2.0	7989R
				4	3.8					
				8	5.3					
				10	6.0					
				16	7.6					
				20	8.5					
				25	9.5					
				31.25	10.7					
				62.5	15.4					
				100	19.8					
				155	25.2					
				200	29.0					
				250*	32.8					
300*	35.2									
350*	39.8									

* For information only

Product Construction:

- Conductor: • 23 or 24 AWG Solid Bare Copper
- Insulation: • Fluorinated Ethylene Propylene (FEP)
• High Density Propylene (HDPE)
- Jacket: • Plenum - Flexguard® Green
• Riser - PVC Maroon

Applications:

- Suitable for RGB Video Applications
- Digital CCTV Cameras

Industry Approvals:

- NEC Article 800 Type CMR (UL), c(UL)
- NEC Article 800 Type CMP (UL), c(UL)

Packaging:

- 1000' Pull-Pacs®
- Contact Customer Service for Additional Packing Options

Color Code Chart

Pair	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown



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