

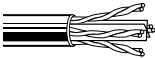
Category 6 U/UTP Cables

TIA/EIA-568-B.2, Category 6,
Bonded-Pair Cables

Certified System 2400

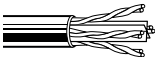
De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ()	Min. RL dB
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		

Cat 6 • 23 AWG • Bonded-Pair • Solid 0.6 mm Bare Copper • Twisted Pair

Polyolefin Insulation • PVC Jacket (Grey and Blue)																			
	7812E	B-328	B-100	9.5	4.3	0.57 mm 23 AWG Solid BC	0.042	1.06	Bonded-Pair Unshielded U/UTP	0.256	6.50	1	2.1	72.0	70.2	65.0	100 ± 15	20.0	
		U-1000	U-305	28.9	13.1								4	3.8	63.0	59.4	53.0	100 ± 15	23.0
		1640	500	47.4	21.5								10	6.0	57.0	51.3	45.0	100 ± 15	25.0
		3280	1000	94.8	43.0								16	7.6	54.0	46.6	41.0	100 ± 15	25.0
		20	8.5	53.0	44.3								39.0	100 ± 15	25.0				
		25	9.6	51.0	41.8								37.0	100 ± 15	24.3				
		31.25	10.7	50.0	39.1								35.0	100 ± 15	23.6				
		62.5	15.5	45.0	29.9								29.0	100 ± 15	21.5				
		100	19.9	42.0	22.4								25.0	100 ± 15	20.1				
		155	25.3	39.0	14.1								21.0	100 ± 22	18.8				
200	29.1	38.0	8.6	19.0	100 ± 22	18.0													
250	33.0	36.0	3.3	17.0	100 ± 22	17.3													

Color Code: see chart below

Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2

Polyolefin Insulation • FRNC / LSNH Jacket (Grey and Blue)																			
	7812ENH	B-328	B-100	9.5	4.3	0.57 mm 23 AWG Solid BC	0.042	1.06	Bonded-Pair Unshielded U/UTP	0.256	6.50	1	2.1	72.0	70.2	65.0	100 ± 15	20.0	see above
		U-1000	U-305	28.9	13.1														
		1640	500	47.4	21.5														

4-Pair

Color Code: see chart below

Burning Energy: 535 kJ/m

Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • 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

**Get the Bonded-Pairs
Cable Preparation Tool**



See page 15.37 for details.
(Part No. 1797B)