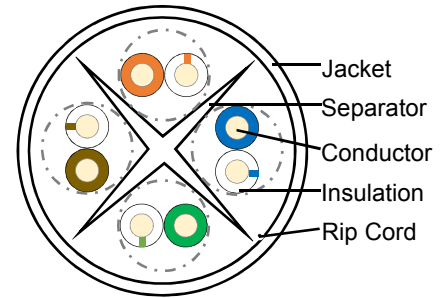




Cat 6 4-Pair 23AWG U/UTP Unshielded Cable



DESCRIPTION		ELECTRICAL & PHYSICAL PROPERTIES								
Rating Temp :	75°C	FREQ	ATTN	NEXT	ACR	RL	PS NEXT	PS ACR	ELFEXT	PS ELFEXT
Flame Test :	CM	MHz	dB/100m	dB	dB/100m	dB	dB	dB/100m	dB	dB
Application :	Horizontal Wiring	1.0	2.0	74.3	72.3	20.0	72.3	70.3	67.8	64.8
Standard :	ISO 11801, TIA/EIA 568B, UL 444	4.0	3.8	65.3	61.5	23.0	63.3	59.5	55.8	52.8
CONSTRUCTION & DIMENSION		8.0	5.3	60.8	55.5	24.5	58.8	53.5	49.7	46.7
Conductor :	Material : Annealed Bare Copper Size : 23 AWG x 4 Pair Construction : 1/0.55 ± 0.005 mm	10.0	6.0	59.3	53.3	25.0	57.3	51.3	47.8	44.8
Insulation :	Material : HDPE Min. Ave. Thickness : 0.23 mm Min Thickness at any point : 0.22 mm Diameter : 1.03 ± 0.02 mm	16.0	7.6	56.2	48.6	25.0	54.2	46.6	43.7	40.7
Identification :	1. Blue x White / Blue 2. Orange x White / Orange 3. Green x White / Green 4. Brown x White / Brown	20.0	8.5	54.8	46.3	25.0	52.8	44.3	41.8	38.8
Core Assembly :	Core Twist : 2 core twist Assembly Pair : 4 pair assembly	25.0	9.5	53.3	43.8	24.3	51.3	41.8	39.8	36.8
Separator :	Material : PE	31.25	10.7	51.9	41.2	23.6	49.9	39.2	37.9	34.9
Jacket :	Material : PVC Min. Ave. Thickness : 0.4mm Min. Thickness at any point : 0.5 mm Diameter : 6.0 ± 0.2 mm	62.5	15.4	47.4	32.0	21.5	45.4	30.0	31.9	28.9
		100.0	19.8	44.3	24.5	20.1	42.3	22.5	27.8	24.8
		200.0	29.0	39.8	10.8	18.0	37.8	8.8	21.8	18.8
		250.0	32.8	38.3	5.5	17.3	36.3	3.5	19.8	16.8
		Characteristic Impedance (1 - 100 MHz) :		100 ± 15 Ω						
		Characteristic Impedance (101 – 200 MHz) :		100 ± 18 Ω						
		Mean Characteristic Impedance (1 – 200 Mhz) :		100 ± 10 Ω						
		DC Resistance Unbalance, max. :		5%						
		DC Loop Resistance :		150 Ω/Km						
		Conductor Resistance, max. @ 20°C :		9.38 Ω/100m						
		Capacitance Unbalance (Pair-to-Ground), max. :		330 pF/100m						
		Mutual Capacitance, max. :		5.6 nF/m						
		Propagation Delay, max. :		45 ns/100m						
		Delay Skew, max. :		40 ns/100m						
		Nominal Velocity of Propagation (NVP) :		69%						
		Max Tensile Load (Installation) :		100 N						

Part Number #	Description
301-6008LG-03GY	Cat 6 4-Pair 23AWG U/UTP Unshielded Cable, PVC, Grey - 305m/reel
301-6008LG-03BU	Cat 6 4-Pair 23AWG U/UTP Unshielded Cable, PVC, Blue - 305m/reel