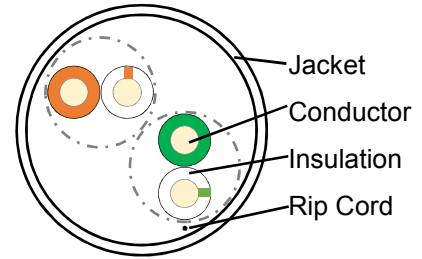




Cat 5E 2-pair 24AWG U/UTP Unshielded Cable



DESCRIPTION	
Rating Temp :	75°C
Flame Test :	CM
Application :	Horizontal Wiring
Standard :	ISO/IEC 11801, TIA/EIA 568B UL 444, 3P
CONSTRUCTION & DIMENSION	
Conductor :	Material : Solid Plain Copper Size : 24 AWG x 2 Pair Construction : 1/0.49 ± 0.02 mm
Insulation :	Material : HDPE Min. Ave. Thickness : 0.21 mm Min. Thickness at any point : 0.20 mm Diameter : 0.92 ± 0.02 mm
Identification :	1. Blue x White / Blue 2. Orange x White / Orange
Core Assembly :	Core Twist : 2 core twist Assembly Pair : 2 pair assembly
Jacket :	Material : PVC Thickness : 0.52 ± 0.2 mm Min. Thickness at any point : 0.50 mm Diameter : 4.8 ± 0.2 mm

ELECTRICAL & PHYSICAL PROPERTIES								
FREQ.	ATTN.	NEXT	ACR	RL	PS NEXT	PS ACR	ELFEXT	PS ELFEXT
MHz	dB/100m	dB	dB/100m	dB	dB	dB/100m	dB	dB
1.0	2.0	67.0	65.0	20.0	65.0	63.0	69.0	66.0
4.0	4.0	58.0	54.0	23.0	56.0	52.0	56.8	53.8
10.0	6.3	52.0	45.7	25.0	50.0	43.7	49.0	46.0
16.0	8.0	48.9	40.9	25.0	46.9	38.9	44.8	41.8
20.0	9.0	47.5	38.5	25.0	45.5	36.5	42.5	39.5
31.25	11.4	44.6	33.2	23.6	42.6	31.6	39.0	36.0
62.5	16.5	40.1	23.6	21.5	38.1	21.6	32.9	29.9
100.0	21.3	37.0	15.7	20.1	35.0	13.7	29.0	26.0
Characteristic Impedance (1 – 100 Mhz) :					100 ± 15 Ω			
Mean Characteristic Impedance @ 100 Mhz :					100 ± 5 Ω			
DC Resistance, max:					8.76 Ω/100m			
Resistance Unbalance, max :					≤ 5 %			
DC Loop Resistance :					170 Ω/Km			
Capacitance Unbalance (Pair-to-Ground), max :					330 pF/100m			
Mutual Capacitance, nominal :					≤ 45 pF/m			
Propagation Delay, max :					80 ns/100m			
Delay Skew, max. :					20 ns/100m			
Nominal Velocity of Propagation (NVP) :					69 %			
Max. Tensile Load (Installation) :					100 N			
Temperature (Operation) :					-20°C to +80°C			
Temperature (Installation) :					0°C to +80°C			
* Electrical properties are based on Cat 5E UTP 4-pairs Cable								

Part Number #	Description
301-10002E-03GY	Cat 5E 2-pair 24AWG U/UTP Unshielded Cable, PVC, Grey - 305m