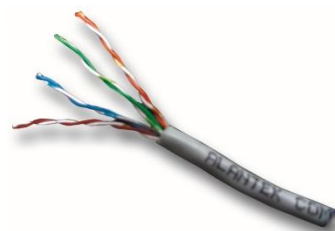
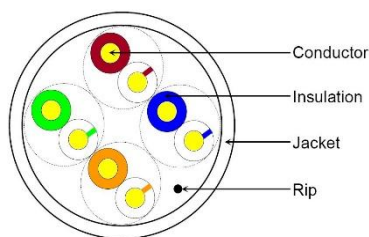




U/UTP CAT5e 24AWG 4-Pair Solid

Part No. 301-10008E-03GY

Alantek Cat5E Unshielded Twisted Pair Cable is designed to support high-bandwidth application up to 1 Gigabit Ethernet. The cable is composed of 24 AWG bare solid copper conductors insulated with High Density Polyethylene (HDPE) insulation. The insulated conductors are twisted into pairs and complete with an Outer Jacket.



Application: Horizontal wiring, suitable for application up to 1 Gigabit Ethernet - LAN 10/100 Base Ethernet; Token Ring; Analog/Digital Video; ISDN; VoIP; ect

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	67.0	65.0	20.0	65.0	63.0	69.0	66.0
Standard :	ISO/IEC 11801, ANSI/TIA/EIA 568B, CE UL 444, ETL, 3P, RoHS	4.0	4.0	58.0	54.0	23.0	56.0	52.0	56.8	53.8
CONSTRUCTION & DIMENSION		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
Conductor :	Material : Solid Copper Size : 24 AWG x 4 Pair Construction : 1/0.49 ± 0.02 mm	20.0	9.0	47.5	38.5	25.0	45.5	36.5	42.5	39.5
Insulation :	Material : HDPE Min. Ave. Thickness : 0.21 mm Min. Thickness at any point : 0.20 mm Diameter : 0.92 ± 0.02 mm	31.25	11.4	44.6	33.2	23.6	42.6	31.6	39.0	36.0
Identification :	1. Blue x White / Blue 2. Orange x White / Orange 3. Green x White / Orange 4. Brown x White / Brown	62.5	16.5	40.1	23.6	21.5	38.1	21.6	32.9	29.9
Core Assembly :	Core Twist : 2 core twist Assembly Pair : 4 pair assembly	100.0	21.3	37.0	15.7	20.1	35.0	13.7	29.0	26.0
Jacket :	Material : PVC Thickness : 0.52 ± 0.02 mm Min. Thickness at any point : 0.50 mm Diameter : 5.0 ± 0.2 mm	200.0	32.42	30.78	-	18.92	27.78	-	17.87	14.78
		Characteristic Impedance (1 – 200 Mhz) : 100 ± 15 Ω Mean Characteristic Impedance @ 200 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 Operating Capacitance (Pair) @ 1kHz, max : 5.6 nF/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 Best Operating distance : 100 M Temperature (Operation) : -20°C to +80°C Temperature (Installation) : 0°C to +80°C Put-up (reel) : 305M (others upon request)								