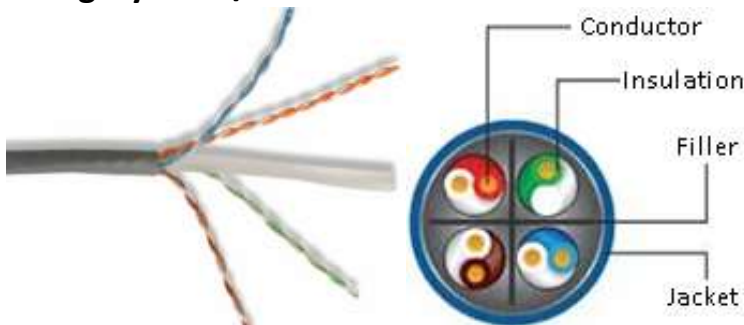


## Category 6 – U/UTP Ethernet Cable



### Product Overview

Alston Systems Category6 U/UTP Ethernet Cable can be used horizontal or vertical configuration as backbone. It constitutes the base of structured cabling network and helps in transmission of high speed data, digital and analogue voice and video signals. Supports Gigabit Ethernet (1000 baseT) standard.

### Construction

Construction	Conductor	Pairs	Jacket	Shielding	Nom O.D (mm)
UTP	23AWG	4	PVC	-	6.2
UTP	23AWG	4	LSZH	-	6.5

### Specifications

Conductor	0.55mm Bare Solid Copper
Insulation	Color-coated PE
Spline	White PE
Jacket	PVC/LSZH
Flammability	CMR
Rated Temperature	-25° C to 75° C

### Standards

- IEC 61156-5:2009 (Ed2.0)
- UL1581 ANSI/TIA-568.C.2
- ISO /IEC 11801:2002(Ed.2.0) including amendments A1:2008 and A2:2010
- EN 50173-1:2011, EN50173-2:2007 including amendment A1:2010, ANSI/TIA-568-C.2:2009

### Electrical Characteristics

Frequency (MHz)	Impedance (Ohm)	RL (dB)	Attenuation (dB/100m)	NEXT (dB)	NEXT Power Sum (dB)	ELFECT (dB)	PSELFEXT (dB)
1.0	100±15	20.0	2.0	74.3	72.3	67.8	64.8
4.0	100±15	23.0	3.8	65.3	63.3	55.8	52.7
8.0	100±15	25.0	5.3	60.8	58.8	49.7	46.7
10.0	100±15	25.0	6.0	59.3	57.3	47.8	44.8
16.0	100±15	25.0	7.6	56.2	54.3	43.7	40.7
20.0	100±15	25.0	8.5	54.8	52.8	41.8	38.8
25.0	100±15	24.3	9.5	53.3	51.3	39.8	36.8
31.25	100±15	23.6	10.7	51.9	49.9	37.9	34.9
62.50	100±15	21.5	15.4	47.4	45.4	31.9	28.9
100.0	100±15	20.1	19.8	44.3	42.3	27.8	24.8
155.0	100±20	18.8	25.2	41.5	39.5	23.9	20.9
200.0	100±20	18	29	39.8	37.8	21.8	18.8
250.0	100±20	17.3	32.8	38.3	36.3	19.8	16.8

### Ordering Information

Part Number	Description
30110006X	Alston Systems, Category 6 U/UTP Ethernet Cable, 23 AWG 305m/box, PVC
30210006X	Alston Systems, Category 6 U/UTP Ethernet Cable, 23 AWG 305m/box, LSZH

Note: "X" denotes the color of the cable. (1 – Blue, 2 – Gray, 3 – Black, 4 – Green, 5 – Red, 6 – White, 7 – Yellow, 9 – Orange)

Note: Available in 500meters/roll upon request.