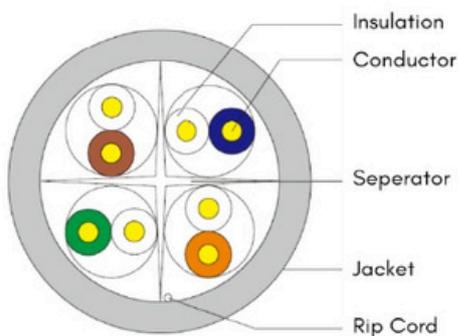


## Category 6 U/UTP Cable

Category 6 U/UTP 4-pair Cable is a 1 Gigabit Ethernet unshielded cable, designed to provide Category 6 Link and Channel performance with internationally defined physical and electrical performance up to 250MHz.

This cable guarantees Category 6 performance ensuring maximum network speed, data throughput and efficiency.



### Standards

- ANSI/TIA-568.2-D
- ISO/IEC 11801
- IEEE 802.3bt
- 10/100/1000Base-T
- 155Mbps ATM
- Power over Ethernet (POE)

### Construction

Conductor	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	23 AWG
Insulation	HDPE
Separator	HDPE
Jacket	FRPVC
Nominal Outside Diameter	6.00 ± 0.30mm
Colour of Jacket	Grey, Blue
Rip Cord	Yes
Sequential Marking	At Every Meter
Packaging	305 Meters in Pull Box

### Electrical Data

DC resistance at 20°C (max)	7.33Ω / 100m
DC resistance unbalance (max)	5%
Mutual capacitance at 20°C (max)	5.6nF / 100m
Capacitance Unbalance (max)	330PF/100m
Operating voltage (max)	300 V DC
Delay Skew	536 nS /100m
Worse case cable skew	45 ns / 100m
Impedance (Ω)	100±15
Nominal velocity of propagation	69%
Dielectric Strength	1.5kV AC / 2.5kV DC



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### Environmental

Transport and storage	-20° to 75°C
Installation	4° to 50°C
Operation	-20° to 75°C

### Compliances

Flammability	UL 1666
Smoke density	ASTM 2843
Acid gas	IEC 60754-1

### Transmission Performance

Frequency in MHz	Attenuation (dB/100m) max.	NEXT (dB) min.	PS NEXT (dB) min.	ACRF (dB/100m) min.	PS ACRF (dB/100m) min.	RL (dB/100m)
1	2.1	65.0	62.0	63.3	60.3	19.0
4	4.0	63.0	60.5	51.2	48.2	19.0
8	5.7	58.2	55.6	45.2	42.2	19.0
10	6.3	56.6	54.0	43.3	40.3	19.0
16	8.0	53.2	50.6	39.2	36.2	18.0
20	9.0	51.6	49.0	37.2	34.2	17.5
25	10.1	50.0	47.3	35.3	32.3	17.0
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14.0
100	21.3	39.9	37.1	23.3	20.3	12.0
200	31.5	34.8	31.9	17.2	14.2	9.0
250	35.9	33.1	30.2	15.3	12.3	8.0

### How to Order

Description	Colour	Quantity	Product Code
Category 6 U/UTP Cable, FRPVC	Grey	305m/Reel	501301-4
Category 6 U/UTP Cable, FRPVC	Blue	305m/Reel	501301-6

Other Quantities and Colours are available upon request.