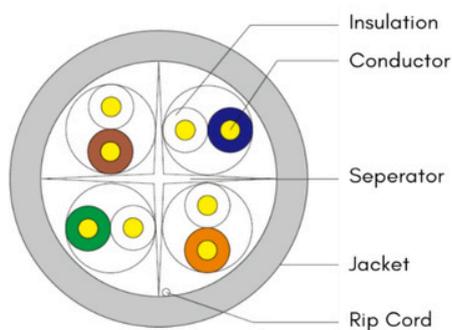


Category 6 U/UTP Cable, 24AWG, FRPVC

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
Nominal Conductor Diameter
Insulation
Separator
Jacket
Nominal Outside Diameter
Colour of Jacket
Rip Cord
Sequential Marking
Packaging

Solid Bare Electrolytic Grade Copper
24 AWG
HDPE
HDPE
FRPVC
5.60 ± 0.30mm
Grey
Yes
At Every Meter
305 Meters in Pull Box

Electrical Data

DC resistance at 20°C (max)
DC resistance unbalance (max)
Mutual capacitance at 20°C (max)
Capacitance Unbalance (max)
Operating voltage (max)
Delay Skew
Worse case cable skew
Impedance (Ω)
Nominal velocity of propagation
Dielectric Strength

9.8Ω / 100m
5%
5.6nF / 100m
330PF/100m
300V DC
536ns /100m
45ns / 100m
100±15
69%
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	501201-4

Other cable Quantities and Colours are available upon request.