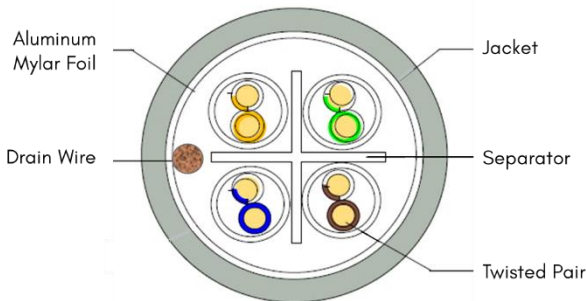


Category 6A F/UTP Cable

Category 6A F/UTP 4-pair Cable is a 10 Gigabit Ethernet unshielded cable, designed to provide Category 6A Link and Channel performance with internationally defined physical and electrical performance up to 500MHz.

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



Standards

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

Construction

Conductor
Nominal Conductor Diameter
Insulation
Separator
Shield
Jacket
Nominal Outside Diameter
Colour of Jacket
Braid
Sequential Marking
Packaging

Solid Bare Electrolytic Grade Copper
23 AWG
Polyolefin
HDPE
Al Mylar Foil
Low Smoke Zero Halogen
6.60 ± 0.30mm
Grey
ATC
At Every Meter
305 Meters In Wooden Reel

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



Environmental

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

Compliances

Flammability	IEC 60332-1
Smoke density	IEC 61034
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	2.3	65.0	62.0	63.3	60.3	19.0
4	4.2	63.0	60.5	51.2	48.2	19.0
8	5.8	58.2	55.6	45.2	42.2	19.0
10	6.5	56.6	54.0	43.3	40.3	19.0
16	8.2	53.2	50.6	39.2	36.2	18.0
20	9.2	51.6	49.0	37.2	34.2	17.5
25	10.2	50.0	47.3	35.3	32.3	17.0
31.25	11.5	48.4	45.7	33.4	30.4	16.5
62.5	16.4	43.4	40.6	27.3	24.3	14.0
100	20.9	39.9	37.1	23.3	20.3	12.0
200	30.1	34.8	31.9	17.2	14.2	9.0
250	33.9	33.1	30.2	15.3	12.3	8.0
300	37.4	31.7	28.8	13.7	10.7	7.2
400	43.7	28.7	25.8	11.2	8.2	6.0
500	49.3	26.1	23.2	9.3	6.3	6.0

How to Order

Description	Colour	Quantity	Product Code
Category 6A F/UTP Cable, LSZH	Grey	305m/Reel	501432-4
Category 6A F/UTP Cable, LSZH	White	305m/Reel	501432-3

Other cable Quantities and Colours are available upon request.