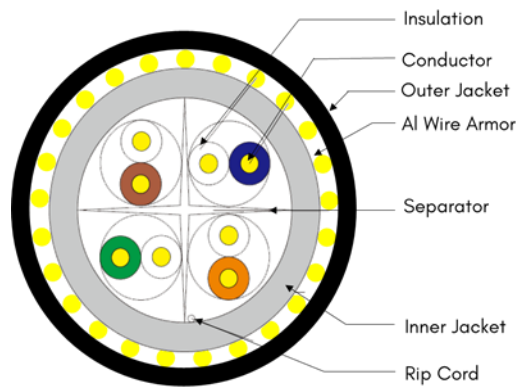


Category 6 U/UTP Cable, Outdoor Al Wire Armored

Category 6 U/UTP 4-pair Cable is a 1 Gigabit Ethernet 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	Polyethylene (HDPE)
Separator	HDPE
Inner Jacket	Low Smoke Zero Halogen
Outer Jacket	Polyethylene (PE)
Aarmor	Aluminum Wire
Nominal Outside Diameter	9.70 ± 0.50mm
Colour of Outer Jacket	Black
Rip Cord	Yes
Sequential Marking	At Every Meter
Packaging	305 Meters in Wooden Reel

Electrical Data

DC resistance at 20°C (max)	9.38Ω / 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 / UL 1666
Smoke density	IEC 61034 / ASTM 2684
Acid gas	IEC 60754-1

Transmission Performance

F 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

Note: Performance guaranteed up to 70meter

How to Order

Description	Colour	Quantity	Product Code
Category 6 U/UTP Cable, Al Wire Armor, Outer Jacket: PE, Inner Jacket: LSZH	Black	305m/Reel	581302-43

Other cable Quantities and Colours are available upon request.