

Category 6 Cable [UC-CABx6]



Description

UNICOM's CABx6 cable provides the market with a 'cost effective', high-bandwidth and high performance cabling solution for more robust and complex applications at gigabit speed and full duplex transmissions. With guaranteed performance that meets Category 6 cable requirements, UNICOM CABx6 allows for simplified electronics leading to cost efficiencies in network investment. The CABx6 solution provides a high speed, high-performance cable system infrastructure with warranty assurance for advanced applications demanding more bandwidth.

Features

- Capable of handling the next generation network applications which will utilize full duplex operation and/or simultaneous bidirectional transmission
- Power sum characterization gives highest performance using existing applications
- Provides additional bandwidth required for future applications
- Addition of balance requirements improves overall cable performance and reduces cable emissions which results in reduced transmission errors
- Capable of handling full broadband and baseband video signals

Applications

- IEEE 802.3: 1000Base-T (Gigabit Ethernet), 100Base-TX (Fast Ethernet), 10Base-T
- 1.2 Gbps ATM
- 4/16 Mbps Token Ring
- ANSI X3.263: 100 Mbps
- Broadband & Baseband analog video
- Digital Video

Standard Compliances

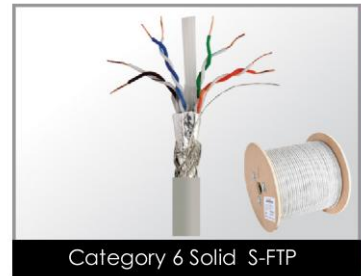
- ANSI/TIA/EIA-568-B.2-1 (Category 6)
- ISO/IEC 11801 Class E
- UL

Technical Characteristics

- Input Impedance (0.772~250MHz): 100±15 Ohms
- Mutual Capacitance: 4.8nF/100m

- Capacitance, unbalance (Max): 160pF/100m
- Velocity of Propagation: 0.7c (Solid)

Frequency (MHz)	Attenuation (dB/100m) Max.	NEXT (dB) Min.	PS-NEXT (dB) Min.	RL (dB) Min.	SRL (dB) Min.	ELFEXT (dB) Min.	PS-ELFEXT (dB) Min.	Impedance (Ohm)	PS-ACR (dB/100m) Min.	ACR (dB/100m) Min.
1	2.0	74.3	72.3	20.0	23.0	67.8	64.8	100±15	70.3	72.3
4	3.8	65.3	63.3	23.0	23.0	55.8	52.8	100±15	59.5	61.5
10	6.0	59.3	57.3	25.0	23.0	47.8	44.8	100±15	51.3	53.3
16	7.6	56.2	54.3	25.0	23.0	43.7	40.7	100±15	46.6	48.6
20	8.5	54.8	52.8	25.0	23.0	41.8	38.8	100±15	44.3	46.3
31.25	10.7	51.9	49.9	23.6	21.1	37.9	34.9	100±15	39.2	41.2
62.5	15.4	47.7	45.4	21.5	18.0	31.9	28.9	100±15	30.0	32.0
100	19.8	44.3	42.3	20.1	16.0	27.8	24.8	100±15	22.5	24.5
200	29.0	39.8	37.8	18.0	14.0	21.8	18.8	100±15	8.8	10.8
250	32.8	38.3	36.3	17.3	13.0	19.8	16.8	100±15	3.5	5.5



Ordering code *

- UC-CABU6A
- UC-CABF6A
- UC-CABU6A(H)
- UC-CABF6A(H)

Description

- Category 6A Solid UTP Cable
- Category 6A Solid F-FTP Cable
- Category 6A Solid UTP LSZH Cable
- Category 6A Solid F-FTP LSZH Cable

* Orders are taken 1000 feet measurement.