



Cat.6 Network Cable AWG23

600 MHz, unshielded, wiring 1:1

DESCRIPTION

Cat.6 E. Con Networks Professional network cable created in copper 100%
 Cable and connector are carefully controlled to ensure high speed and no transmission errors
 Connect network peripherals with cat 06 cable.

Supported speeds: 10/100/1000 Mbps

APPLICATION

E. Con Networks Cat 6 network cable are designed to be used in typical Cat 6 channel applications. E. Con Networks Cat 6 systems are designed for use in high-bandwidth applications such as Gigabit Ethernet

SCOPE of DELIVERY

One network cable, bundled as a ring in a box.

ELECTRICAL PROPERTIES

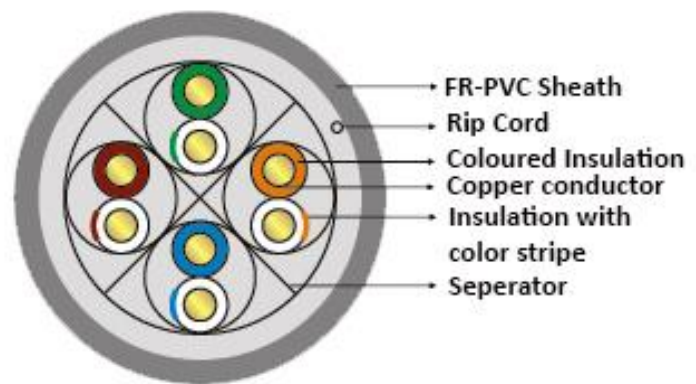
EMC – Unshielded

COLOR CODE

<u>PAIR NO</u>	<u>COLOR</u>	<u>PAIR NO</u>	<u>COLOR</u>
1-2	White-Orange Stripe & Orange	3-6	White-Green Stripe & Green
4-5	White-Blue Stripe & Blue	7-8	White-Brown Stripe & Brown

TECHNICAL SPECIFICATIONS

- Category – CAT 06
- Conductor Material - Copper 100%
- Conductor Type - PVC cable sheath for flexibility and durability
- Shielding - Unshielded (UTP)
- Cable: 4 pairs
- Cable Size (AWG) - Conductors: 23AWG
- Cable Rate - 600 MHz



Length (m), Limit 100.0	[Pair 12]	3.3
Prop. Delay (ns), Limit 555	[Pair 36]	17
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 36]	3.7
Insertion Loss Margin (dB)	[Pair 12]	33.2
Frequency (MHz)	[Pair 12]	249.5
Limit (dB)	[Pair 12]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	11.2	13.0	11.2	14.9
Freq. (MHz)	244.5	120.0	244.5	243.0
Limit (dB)	33.3	38.6	33.3	33.3
Worst Pair	45	78	45	78
PS NEXT (dB)	13.2	15.1	13.2	15.4
Freq. (MHz)	243.5	119.0	244.5	243.5
Limit (dB)	30.4	35.8	30.3	30.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	78-12	12-78
ACR-F (dB)	22.0	22.1	23.1	23.0
Freq. (MHz)	46.3	44.0	244.0	238.5
Limit (dB)	30.0	30.4	15.5	15.7
Worst Pair	12	36	12	78
PS ACR-F (dB)	24.6	24.3	25.3	25.1
Freq. (MHz)	213.5	151.0	244.0	244.0
Limit (dB)	13.7	16.7	12.5	12.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-N (dB)	19.5	19.9	44.1	47.4
Freq. (MHz)	3.0	3.0	244.5	241.0
Limit (dB)	61.5	61.5	-2.2	-1.8
Worst Pair	36	36	45	78
PS ACR-N (dB)	20.9	20.1	46.0	48.1
Freq. (MHz)	3.0	3.0	244.5	242.5
Limit (dB)	58.5	58.5	-5.2	-4.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	12	78	78
RL (dB)	7.7	7.2	11.1	13.2
Freq. (MHz)	7.9	6.0	232.5	233.5
Limit (dB)	19.0	19.0	8.3	8.3

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

Wire Map (T568B)
PASS

