FDK

Noise suppression CAT6 UTP cable

NSC-LAN01series

A LAN CAT6 cable incorporated with a ferrite compound layer has noise suppression function.
While its appearance is the same as a usual cable, it significantly reduces internal and external noises.
Complied with Ethernet standard of 10 BASE-T, 100 BASE-TX, 1000 BASE-T, 1000 BASE-TX.
Good for a broadband environment for high speed communication including FTTH, ADSL and CATV,
Compared with normal cables, high-speed communication can be still possible under the environment where it is vulnerable to receive noises.
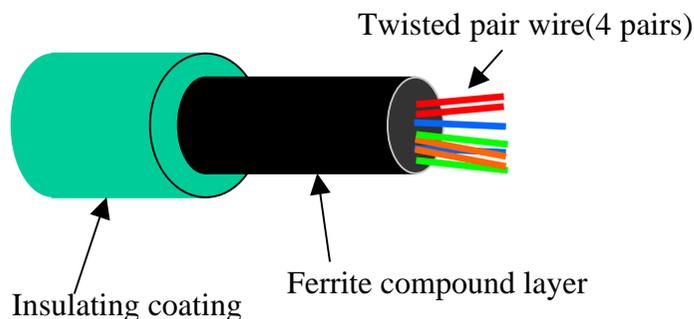
Feature

- Fully responding to a CAT 6.
- Significantly reduces internal and external noises.
    (Reduced 99.7% of wireless LAN noise (2.4GHz)
- Minimal electrical degradation in kink. (Good for bend of the cable responding to CAT6 up to 4cm of its radius.)
- Adopting molded slim connector

Basic specification

- CAT6 UTP cable (twisted wire type)
- Straight cable
- Two RJ45 connectors
- Cable color: blue & ivory

Inner structure of cable

Twisted pair wire(4 pairs)

Insulating coating

Ferrite compound layer

Compliant Ethernet standard

10BASE-T
100BASE-TX
1000BASE-T
1000BASE-TX

Connection specification

Effect of external noise reduction

Induced voltage in a connector terminal of a CAT6 LAN cable,
caused by electric waves from wireless LAN equipment

high

Noise level

low

Induced voltage[mV]

frequency[GHz]

ordinary   the product

Reduced 99.7% of noise!