

Ferrite Cables For EMI suppression

FDK has developed cable with EMI suppression. The EMI suppression of the product is equivalent to or better than Ferrite Clamp, 'also' its flexure is equivalent of the existing cables.



■ Feature

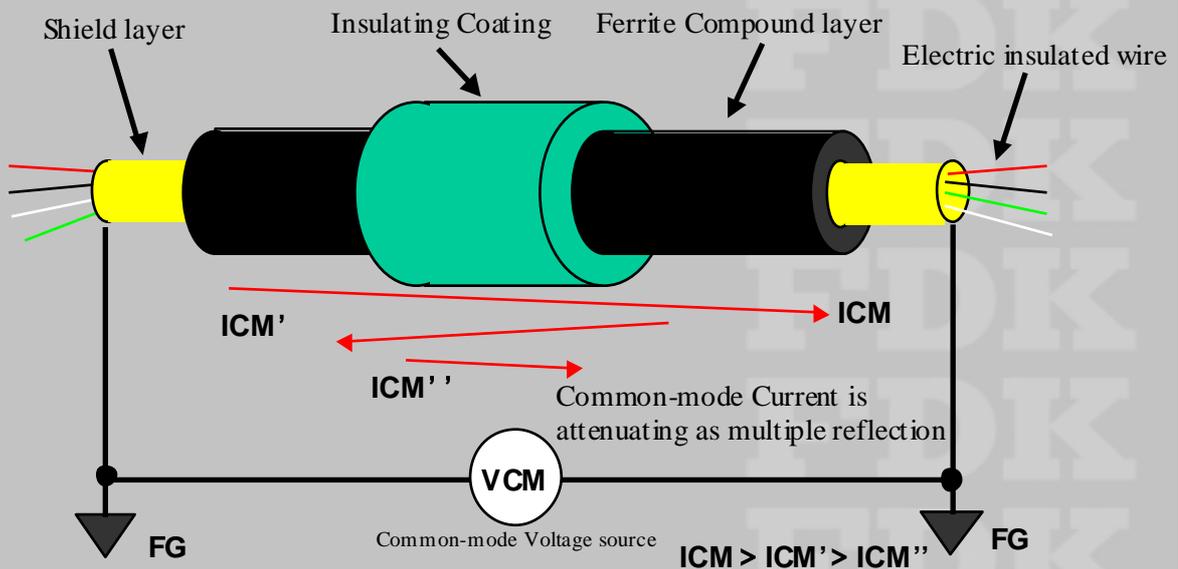
- The emission peak level is reduced sharply by cable length resonance.
- 6 – 10dB (30MHz – 3GHz) reduction effect in EMI
- Suitable for USB 1.1 specification. Signal loss is equivalent of the existing products.
- Lower price and shorter delivery time than that of the cable with Ferrite Clamp.

■ Advantage

- Cost down is achieved by replacement of cable with Ferrite Clamp.
- Trade-off of signal loss and EMI suppression is unnecessary.
- It is not necessary to take the influence of cable length resonance into consideration.

■ Principle of Operation

- By adding slight loss R in the state of cable length resonance, common-mode current decreases sharply.
- Required loss R for resonance suppression is given in the outmost Ferrite Compound layer of the Shield layer, core effect is attained in 0.4mm thickness.



6 – 10dB reduction effect is brought out by the EMI Suppression Cable under a small space based on the two principle of operation mentioned above.

The descriptions in this catalogue are subject to change without notice.