

Emotron FDU 2.0 and VFX 2.0

(FDU 48-090 and VFX 48-090)

Mounting instruction for extra ferrite core on motor cable

The ferrite core is mounted on the motor cable to reduce disturbances and to fulfill the EMC standards. Since the core becomes very hot, the cables must be protected by a thermal isolation sheet that is attached on the core. The longer motor cables the hotter the core becomes.

NOTE: If the core is not mounted or mounted incorrect, the VSD does not fulfill the EMC standards. If the protective isolation sheet is not mounted, the motor cable can be damaged from the hot core.

Instructions

The ferrite core and its isolation sheet should be mounted on the three motor phases U, V & W, see picture below. The protective earth (PE) and the screen of the cable should be mounted outside the core.

