ECC-AT

Earthing Copper Coated Conductor Anti Theft
INTRODUCTION

La Farga has developed ECCC, (Earthing Copper Coated Conductor), conductor for earthing connections available as a result of Cx3 technology.

Copper is the best conductor and is being used for many electrical applications such as isolated cables, and also as bare earthing cables. Buildings have to be earthed in order to avoid electrocution, and as protection against voltage overload caused by lighting or unintentional contact. An earthing system provides certain level of safety for humans and property in the event of faulty equipment.

DISCOURAGING COPPER THEFT

Despite its superior properties, copper is being replaced by others materials with inferior performance because copper is attractive due to its intrinsic high value as raw material.

The theft of copper cables costs companies millions of euros per year worldwide. Understanding that copper theft is a very real problem is the first step to protect our products against theft and avoiding this growing trend.

Other materials, such as copper clad steel, attempt to solve the problem by making the cable less susceptible to theft by drastically decreasing the scrap value. However the material looks like copper, and once it is cut, the damage is already done. Many companies consider taking extreme measures against copper theft, although many of these are neither successful nor cost effective. Cx3 technology is the most effective and efficient solution for discouraging copper theft.

RANGE

Strands in coils of 25 kg and wooden spool.
Cross sections
16, 25, 35, 50, 70, 95, 120 mm².

You can use this conductor as a horizontal electrode if installed with vertical electrodes.

The conductor successfully passes the short circuit test, based on Standards
UNE-HD 60364-4-43:2013,
UNE-EN 62271-1:2009 and
IEC 298 (Current: 13.7 kA,
Duration: 0.5 seconds).

ECCC-AT designed according to
EN 60228 Standard