No'Emi™

NO'EMI™ is a composite yarn composed of a hybrid metallic-textile mix (metallic core with textile covering, or textile core with metallic covering).

NO'EMI™ has various technical uses which can be broken down into a diverse range:
- Antibacterial usage: with various textile compositions (Bamboo, Cotton, Flame retardant, Protex Cotton, Nomex etc.)
- Electromagnetic shielding usage: round 'robrillé' yarn or flat 'robrillé' yarn
- Electrical conductivity usage.

All yarns can be presented as round or flat yarns.
- Percentage of components varies according to textile/ metal mix.
- Yarn counts vary according to need, currently from 150 dtex to 2000 dtex

Ohmic resistance:
Varies according to thickness and percentage of materials
(eg: 30 nano amperes for 150 dtex - 6.6 Ohms/m for 2000 dtex)

Advantages of a hybrid yarn:

The technical innovation lies in the replacement of 100% metallic yarn with a hybrid yarn which results in lighter final products whilst keeping good electrical resistance, flexibility, and mechanical strength.

Usage: Braiding, weaving, technical knitting.
NO'EMI™ yarns can be developed on request (creation of a new yarn c-based on NO'EMI™.)

<u>Examples of existing products</u>

NO'EMI™ 200 dtex, copper silver/polyester, 50%-50%, 14.5 Ohm/m
NO'EMI™ 170 dtex, stainless steel/polyester, 50%-50%, 69 Ohm/m
NO'EMI™ 2000 dtex, Copper Nickel/PPS, 80%-20%, 2.97 Ohm/m
NO'EMI™ 230 dtex, Stainless steel 100%, 229 Ohm/m