

# PhantomTape

Electrical connections for e-textiles done right.

Are you an e-textile brand or manufacturer and you are looking for a reliable, washable, stretchable, comfortable textile wire? PhantomTape X is your solution.

Since 2010 the e-textile market is growing rapidly: Electrostimulation is booming for sports and rehabilitation, fitness tracking for endurance training, ECG acquisition shirts are used in cardiology, safety workwear is trending and large scale patient monitoring will change how medicine is applied in the 21st century. Despite the trend towards the digitalization of textiles, most solutions are neither comfortable, nor durable, and require a complex production process. The electronics and textile industries did not merge successfully yet.

Nanoleq's PhantomTape will create a paradigm shift in the industry. PhantomTape is a thermobonding tape, which contains a stretchable conductor. It is thin, comfortable, washable and corrosion resistant, thus survives sweat and rain exposure. In addition, it is ready to be laminated and connected onto various garments as such, which makes it possible for textile manufacturers to easily form reliable electrical connections without electronics expertise and without the need for crimping or soldering.

Be part of the future with PhantomTape.



Resistant against sweat and washing according to ISO 3160-2.

high washability



100X

protection layer



elastic



80%

light



highly conductive



< 3 Ω/m

easy lamination & connection



## PhantomTape X

- Ø 1.2 mm soft wire inside with 80% elasticity
- Withstands over 100 wash cycles
- High conductivity: < 3 Ω/m under stretch
- Different connection methods (electrodes, buttons)
- Wide variety of colors available

ECG



EMG



Electrostimulation



EEG

