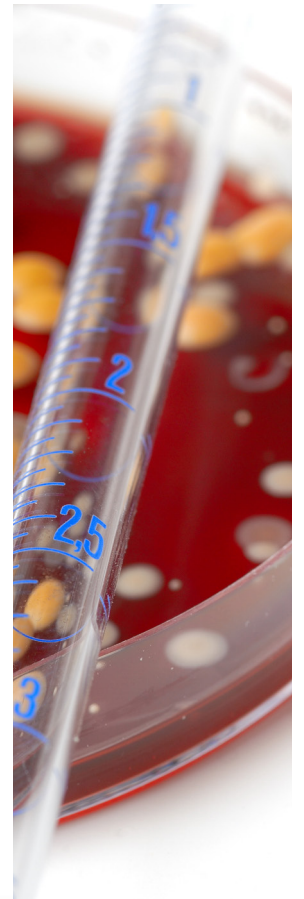


INNOVATIVE/INTERCONNECT SOLUTIONS

NOSO-FREE®

STOP TO VIRUSES
AND BACTERIA!



- > ANTIBACTERIAL CABLES AND ASSEMBLIES
- > SILVER ION MICRO-FLUX TECHNOLOGY
- > REDUCE CROSS-CONTAMINATION
- > ANTI-VIRUSES, ANTI-MICROBES, ANTI-FUNGI



**NOSO
FREE**

www.axon-cable.com

axon'
cable & interconnect

Noso-Free®: Efficient against bacteria, viruses and fungi



Microbe contamination can come from:

- Direct contact from one person to another
- Cross-contamination from one patient to another via surgical or medical instruments including echographs, shavers, laparoscopes, etc.

5 to 12 in-patients out of 100 catch a nosocomial infection in developed countries. Particularly aware of these contamination risks, Axon' Cable has incorporated the technology of silver ion micro-flux into interconnect solutions to develop NOSO-FREE®, an innovative range of antimicrobial medical assemblies. Made up with dedicated jacketing, moulding and overmoulding materials with anti-microbial and anti-fungi properties, they inhibit the growth of viruses, microbes, including bacteria which resist antibiotics.

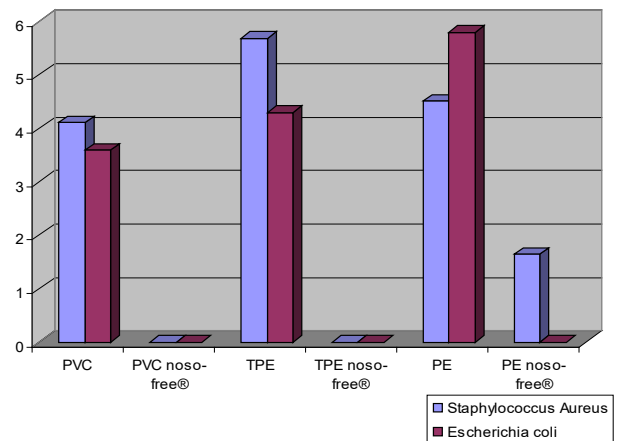
Silver ion for long-lasting protection

Scientific studies have proven the effectiveness of using silver ions to disturb or stop the process of growth and multiplication of bacterial cells as well as being an anti-microbial action.

- Evaluations:
- JIS-Z-2801 specification (evaluated by the French University of Lyon I)
 - ISO22196 standard

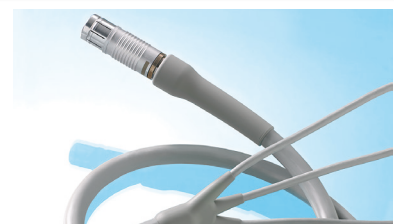
Without NOSO-FREE®, E-Coli bacteria grows at a rate of 3 generations per hour at 37°C. In one hour, a population of 100 cells is multiplied by 8. In less than 5 hours, it will exceed one million! The number of bacteria, microbes and viruses on the surface of NOSO-FREE® materials continually decreases from the first hour until their total elimination after 24 hours.

BACTERIAL QUANTITY WITH AND WITHOUT NOSO-FREE®



Protect plastics without altering their properties

- NOSO-FREE® polymers are efficient against a large variety of bacteria (including Staphylococcus aureus and Escherichia coli), viruses and fungi
- Any plastic insulation including PVC, TPE and PE can be modified with antibacterial agents
- Material properties, such as colour and biocompatibility are not affected by NOSO-FREE® manufacturing process
- Antibacterial activity is efficient during the whole cable assembly lifetime

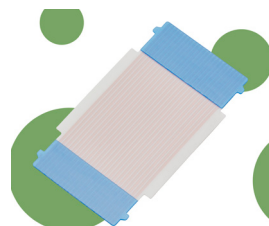


> NOSO-FREE® OVERMOULDED ASSEMBLY

Interconnect solutions for medical applications

ISO 13485 approved since 2011, Axon' has been offering for several years medical interconnects including:

- Biocompatible sterilisable cables and assemblies
- Biocompatible and anti-microbial ultra-thin PTFE tubes
- Implantable cable assemblies
- Flat flexible cables for medical flat displays
- Plastic and metal parts



> FLAT FLEXIBLE CABLE



> PTFE TUBES