



MOTIONCABLES
*Your **REAL** partner in motion*

BEING DIFFERENT

Numerous methods exist to effect meaningful change, some of which are less immediately discernible, revealing themselves through continued effort.

Our approach to differentiation encompasses:

- ❖ **proactive collaboration.**
- ❖ **meticulous attention to detail.**
- ❖ **careful selection of raw materials.**
- ❖ **rigorous process control.**

WELCOME TO MOTION **CABLES**

OUR ORGANIZATION

Since its very beginning, the company has always managed to outsource the logistic services and follow the production at his best.

A wise choice of suppliers continuously evaluated, permits MOTION**CABLES** to control the supply chain to always have the materials in time and at their best quality.



MOTIONCABLES
FACTORY 1 & 2



RAW MATERIAL
SUPPLIERS

LOGISTIC



OUR BOARD



**GENERAL MANAGER
FILIPPO PORTO**

ADMINISTRATION / HR

Monica Baioni
ACCOUNTANCY
Fatima AbdAlla

G.A.

Saverio Pagano
PURCHASE
Paride Mascese

MARKETING / IT

Michele Finelli

SALES

Filippo Porto
GERMANY SALES
MANAGER
Thomas Pikkemaat
EXPORT SALES
MANAGER
Simone Gadeschi
CUSTOMER SPECIALIST
Ivana Valenti
Sara Rollo
Livia Brusoni
Sonia Pedrini

SUPPLY CHAIN / PRODUCTION PLANNING

Matteo Porto
PRODUCTION
Giuseppe Cascella

MAINTENANCE
Mauro Pedrazzini

QHSE

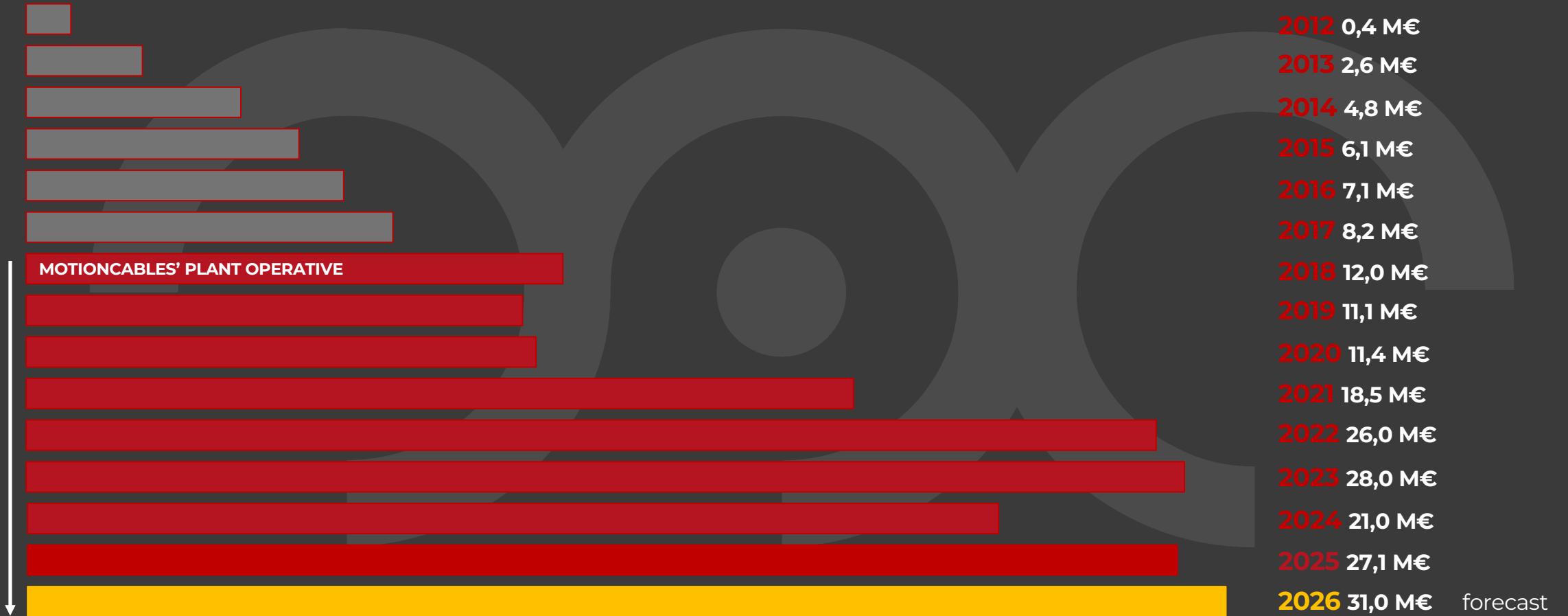
Livia Brusoni
QUALITY DEPT.
Lorenzo Oggioni
Nassima El Holouany
Aline Felis De Matos

R&D / TECH MANAGER

Luigi Bussetti
LAB. QUALITY CHECK
Matteo Lazzarini
Stephane Ahandateto
R&D
Luca Casiraghi
Mattia Brambilla
Junior P.M.
Giorgio Galeotti

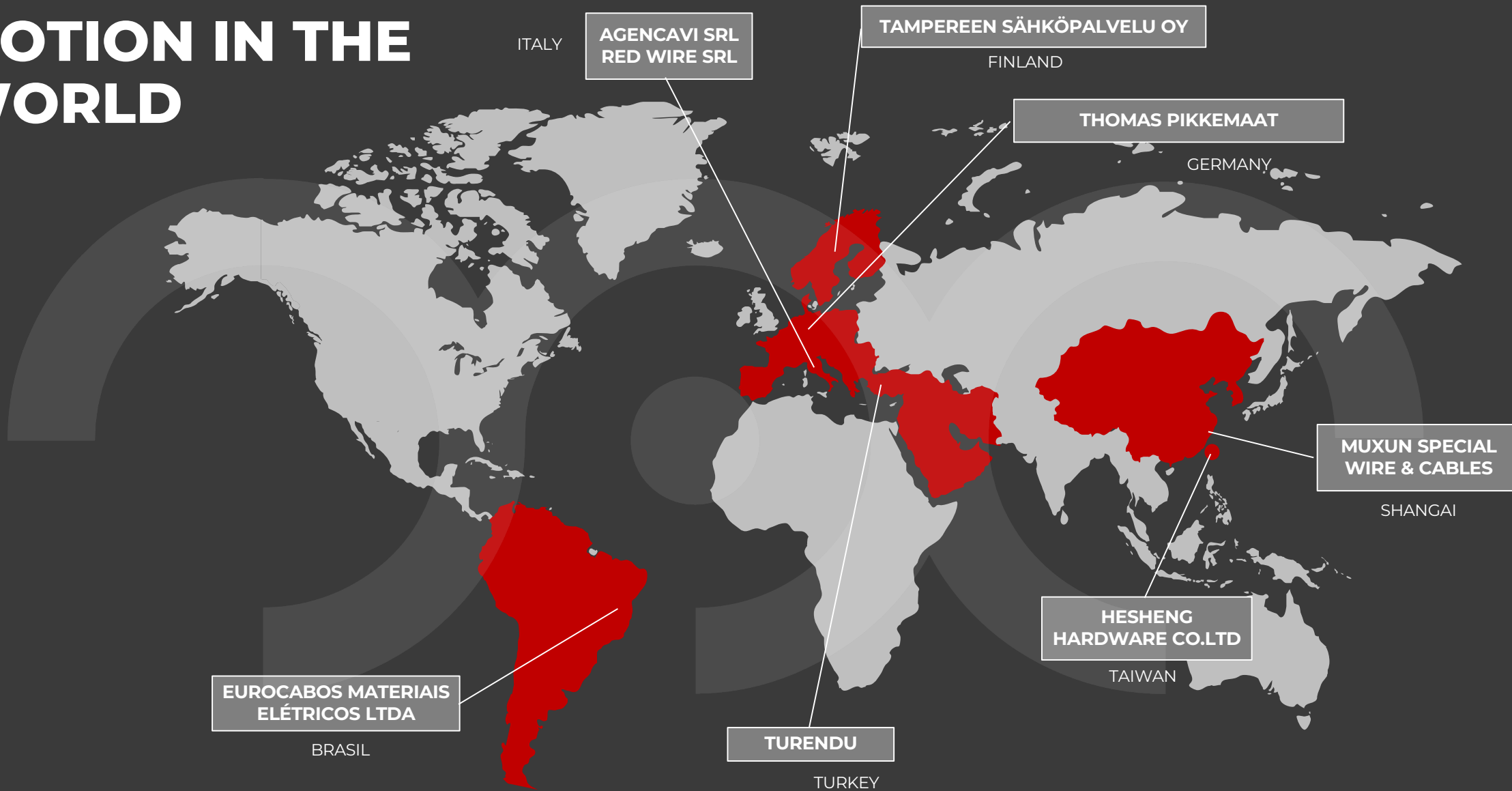
MOTION IN NUMBERS

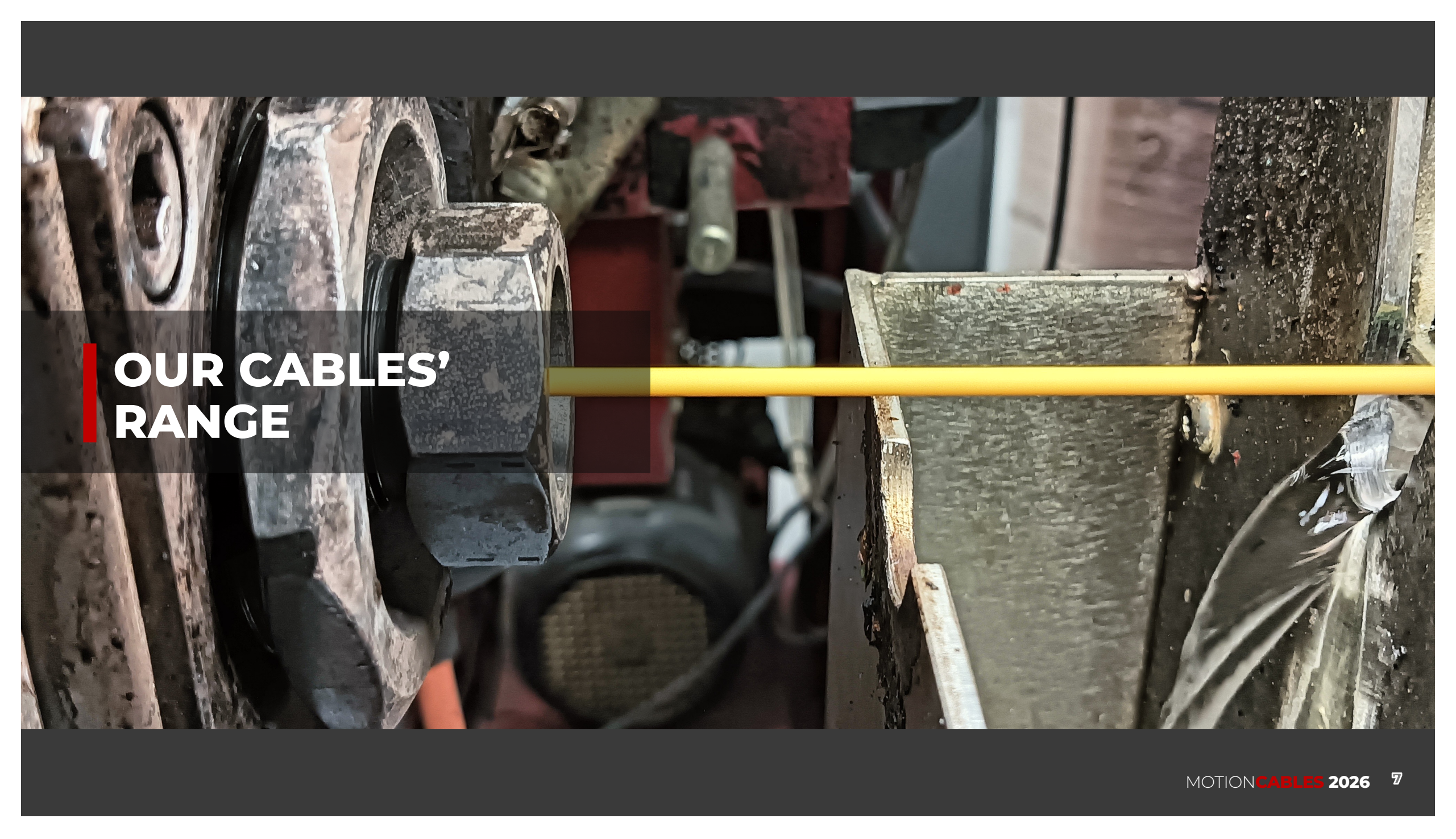
During these years we have seen a constant growth, that testify our path is the right one. Numbers' tell the tale.



MotionCables Turnover Including Copper

MOTION IN THE WORLD



A close-up photograph of a yellow cable being processed by a machine. The cable is held taut between two large, dark, industrial rollers. The background is a blurred industrial environment with various mechanical parts and tools. A semi-transparent dark grey rectangle is overlaid on the left side of the image, containing the text 'OUR CABLES' RANGE' in white, bold, sans-serif font. A thin red vertical bar is positioned to the left of the text.

OUR CABLES' RANGE

LEVELS OF PERFORMANCE

In order to provide a quick reference, MOTION**CABLES** products are divided **in four main levels of performance**, each identified by a code and a color for an easy recognition.

BASIC PERFORMANCE

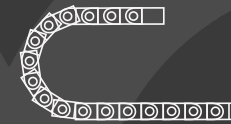
Speed: 180 m/min
Acceleration: 2,0 m/s
Lifecycles: 200.000



BP

DYNAMIC PERFORMANCE

Speed: 300 m/min
Acceleration: 20 m/s
Lifecycles: 5.000.000



DP

HIGH PERFORMANCE

Speed: 600 m/min
Acceleration: 60 m/s
Lifecycles: 10.000.000



HP

EXTREME PERFORMANCE

Speed: 600 m/min
Acceleration: 60 m/s
Lifecycles: 10.000.000



XP

THREE MAIN GROUPS



INDUSTRY RANGE

This group comprises all the main cables for automation industry: Control cables, Multicore, Power single wire and multiwire, servomotor cables, hybrid-servo, encoder and resolvers, fieldbus cables all according to UL/CSA, UL Listed and all the major industries' standards (i.e. Siemens®, Bosch-Rexroth®, Lenze®, Sew®, Heidenhain®, Beckhoff®...).



SPECIAL CABLES RANGE

This group encompasses specific cables developed and designed for dedicated uses or specific technology requests like: VFD Inverter, Low Leakage; Reeling, Gravity-Fed, Robot Torsion, Harsh Environments...



CUSTOM SOLUTIONS

Tailored solutions for custom-specified application in different areas of expertise (outdoor, indoor, subsea...). Our technical Department can provide full support in development and further industrialization.

INDUSTRY RANGE

THE INDUSTRY RANGE

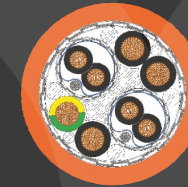
covers all the main types of cables used in the automation industry market spanning all the given sections, formations and standards.



STANDARD CABLES



UL LISTED



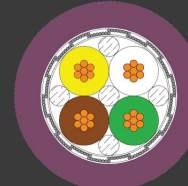
SERVOMOTORS



HYBRID SERVO CABLES



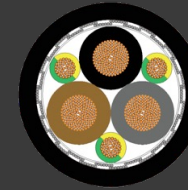
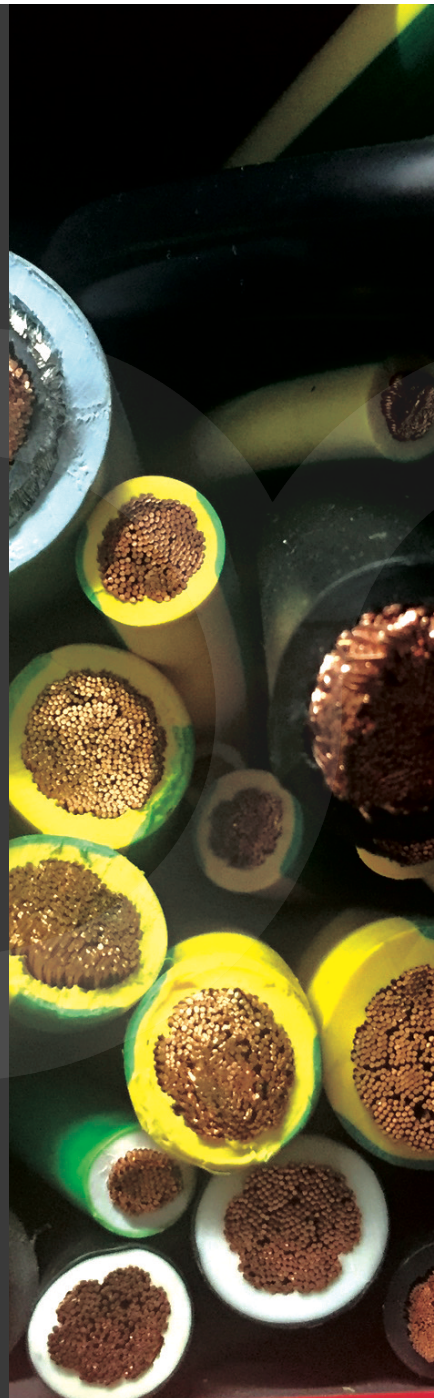
FEEDBACK



FIELDBUS

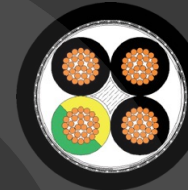
SPECIAL CABLES RANGE

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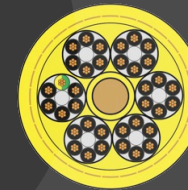
MOTION VFD

Cables for Variable Frequency Drive



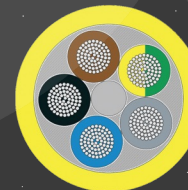
MOTION TORQUE

Cables for high torsion like in robotic arms application



MOTION DRUM

Cables for application on port goods handling



MOTION HEAVY EHR

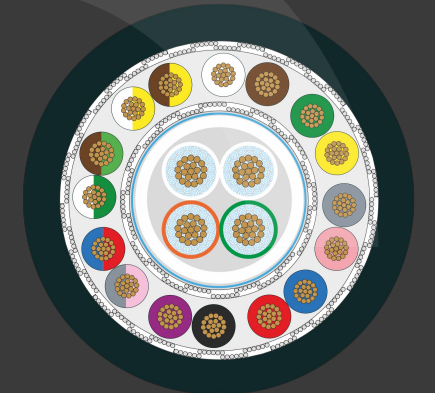
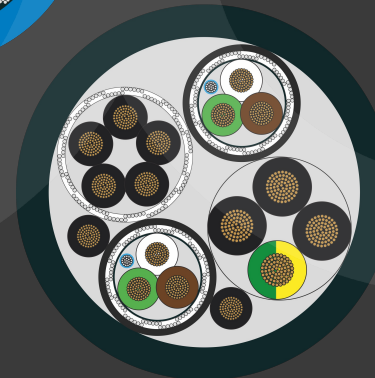
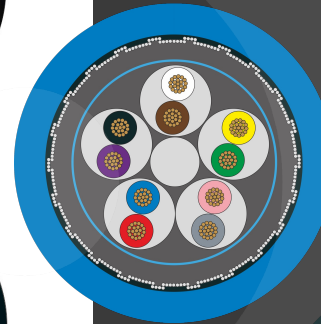
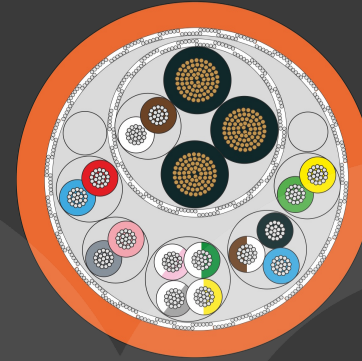
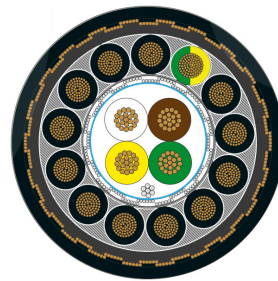
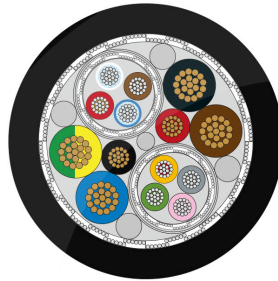
Cables for harsh environment or prohibitive installation

CUSTOM SOLUTIONS

MOTION **CABLES**' heritage provide a long and settled experience in development of custom-made solutions.

After defining the cable, we can provide samples for testing with the idea of always propose the most suitable solutions in terms of quality, performance and price.

Our experience in tailored design has helped different customers finding the proper cable solution they were looking for.



NEW FAMILIES

WE KEEP ON ENLARGING our cables' expertise area thanks to the R&D researches and new approaches.

So we can propose four new families:

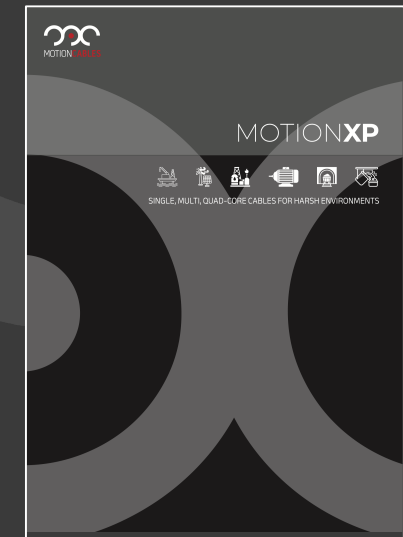
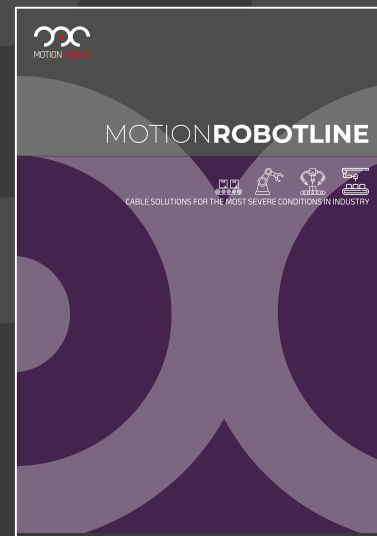
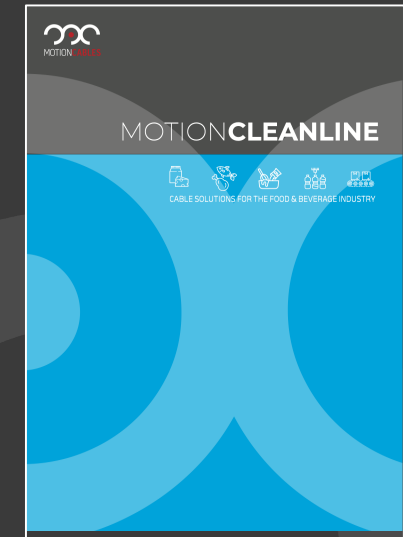
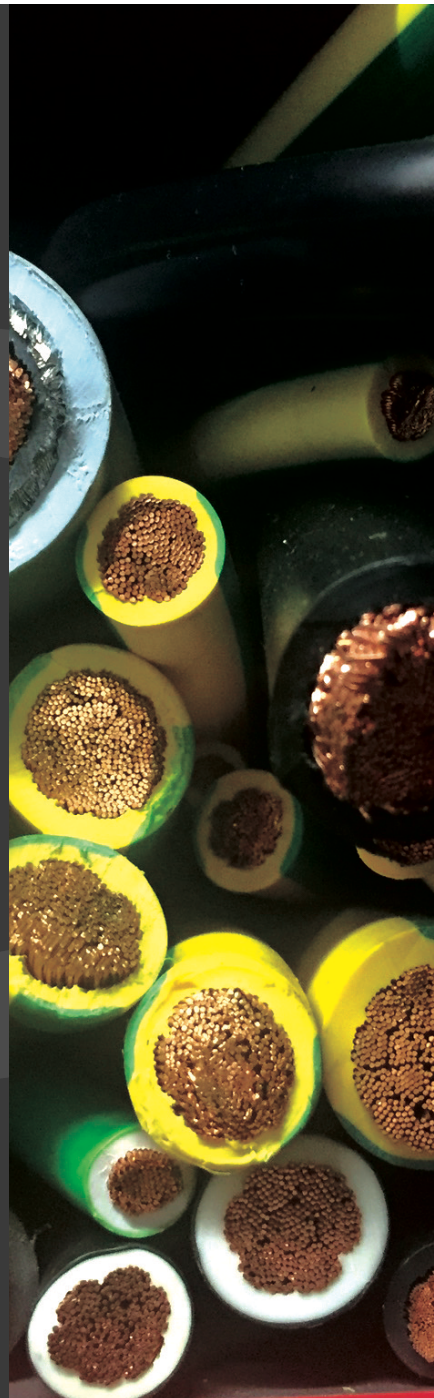
MOTION **THERMLINE**

MOTION **CLEARLINE**

MOTION **ROBOTLINE**

MOTION **XP**

More details will be divulged lately on our website or upon request.



A wide-angle photograph of a large industrial manufacturing facility, likely a cable or wire production plant. The floor is filled with various pieces of machinery, including large red machines with 'Altec' and 'CABLES' branding, and yellow machines. Numerous large spools of wire are visible, some on the floor and others on elevated platforms. A worker in a dark uniform is standing near a red machine in the middle ground. The background shows more machinery and the high ceiling of the factory with large windows. The image is framed by a dark, curved border on the left and bottom.

PRODUCTION HIGHLIGHTS

PROPERLY CONTROLLED PRODUCTION

IP → **guido rossa**

Elenco Ordini Produzione/Scorta

RICERCA AVANZATA

CHECK CALENDARIO STATUS ORDINI

PROGRAMMAZIONE TIPO CAVO TIPO ORDINE AZIONE

Alert Ordini

Calendario	Cavo	Metri	Gestione	Date	Note	Azione
21/02/2024	Ordine: 2024/0886-SC #DSL-SD15G04	→ 50000		effettuato il → 06/07/24 richiesto per il → 21/07/24 confermato per il → 21/07/24		
24/02/2024	Ordine: 2023/0604-SC #DSL-HD633-PP50/90	→ 2000		effettuato il → 15/07/23 richiesto per il → 30/07/23 confermato per il → 24/02/24		
24/02/2024	Ordine: 2023/0500-SC #DSL-HD633-PP50	→ 2000		effettuato il → 29/08/23 richiesto per il → 30/08/23 confermato per il → 24/02/24		
01/01/2025	Ordine: 2024/0709-SC #DSL-028CMRLP	→ 8000		effettuato il → 02/08/24 richiesto per il → 30/08/24 confermato per il → 01/01/25		



MOTION NET 4.0

MOTION **CABLES** has developed a proprietary EPR system, fully integrated, that brings together all the production areas:

- Raw materials stockyard
- Production machines
- Quality and control
- Production planning
- Packing and delivery



PRODUCTION EFFICIENCY

- Raw materials qualification
- Full traceability from start to finish
- Stock control and supply planning
- In line controls and pos-production qualifications
- Suppliers' evaluation and control

ONGOING QUALITY PROCESS

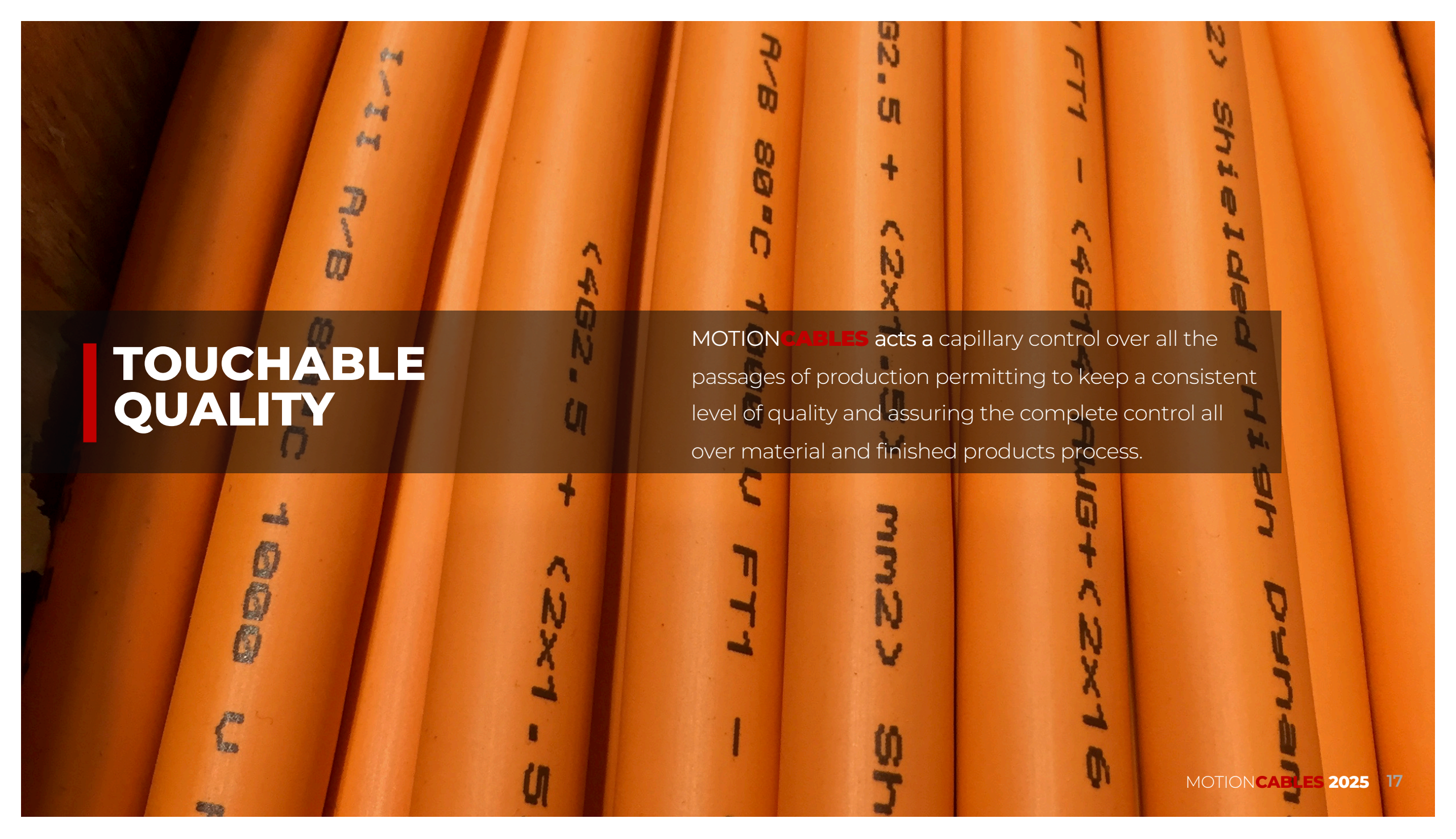
At MOTION **CABLES** during every production phase, each operator is instructed to perform a series of controls according to the production step.

Insulation's coherence (spark test), proper layup, cable's printing and color, and several other checks are done every time

Our quality department and the Techs are directly involved in these controls together with the operator.

This ensure a higher level of quality to our final products.





TOUCHABLE QUALITY

MOTION **CABLES** acts a capillary control over all the passages of production permitting to keep a consistent level of quality and assuring the complete control all over material and finished products process.

APPROVALS AND CERTIFICATIONS

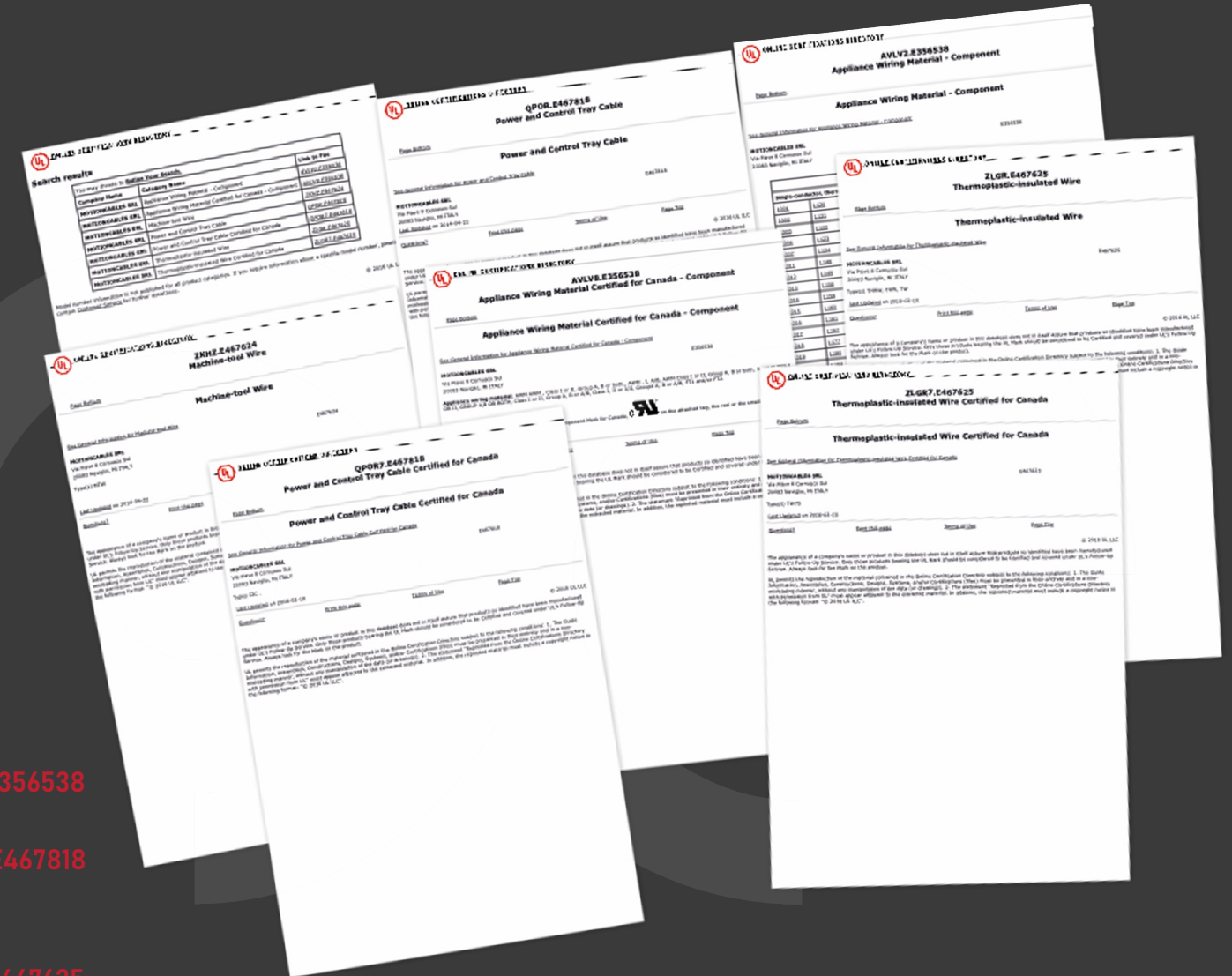
UL & CSA APPROVALS

MOTIONCABLES

qualification process is an ongoing one for support our customers with the latest and outmost releases.

- AWM FOR CANADA
- TRAY CABLES
- POWER CONTROL TRAY CANADA
- MACHINE TOOLS WIRE
- THERMOPLASTIC INSULATED WIRE
- THERMOPLASTIC INSULATED WIRE CANADA

- AVLV8.E356538
- E467918
- QPOR7.E467818
- E467624
- E467625
- ZLGR7.E467625

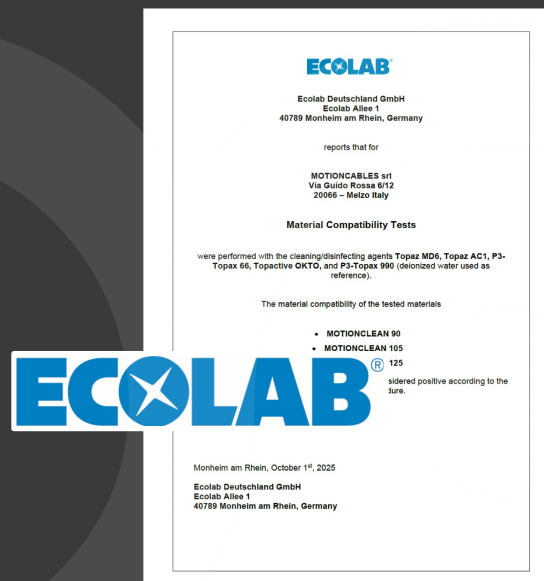


SPECIAL APPROVALS



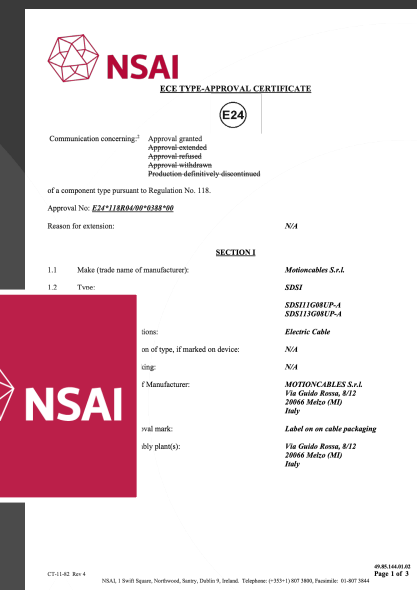
LLOYD REGISTER

MOTION**CABLES** has been approved by **Lloyd Register**. This give us the option to produce and distribute cables for naval application.



ECOLAB

MOTION**CABLES** has been awarded with **ECOLAB** Certification. The materials used in our cables are secure for the (F&B) industry.



NSAI

MOTION**CABLES** has achieved approval from the **NSAI** for **compliance with Standard R118** for its specialty cables.

QUALITY ADDICTED

A further confirmation that quality is written in capital letters at **MOTIONCABLES** is defined by our certifications, the point of arrival of a process we started far beyond certifications themselves.

Producing, in these days, is not only a matter of raw material transformation, but it means to be sustainable and keep our planet safer and protected.

MOTIONCABLES has adopted a series of activities for being sustainable, from using certified green electricity, and properly handle scrapes and difficult materials.



ISO 9001



ISO 14001



ISO 45001



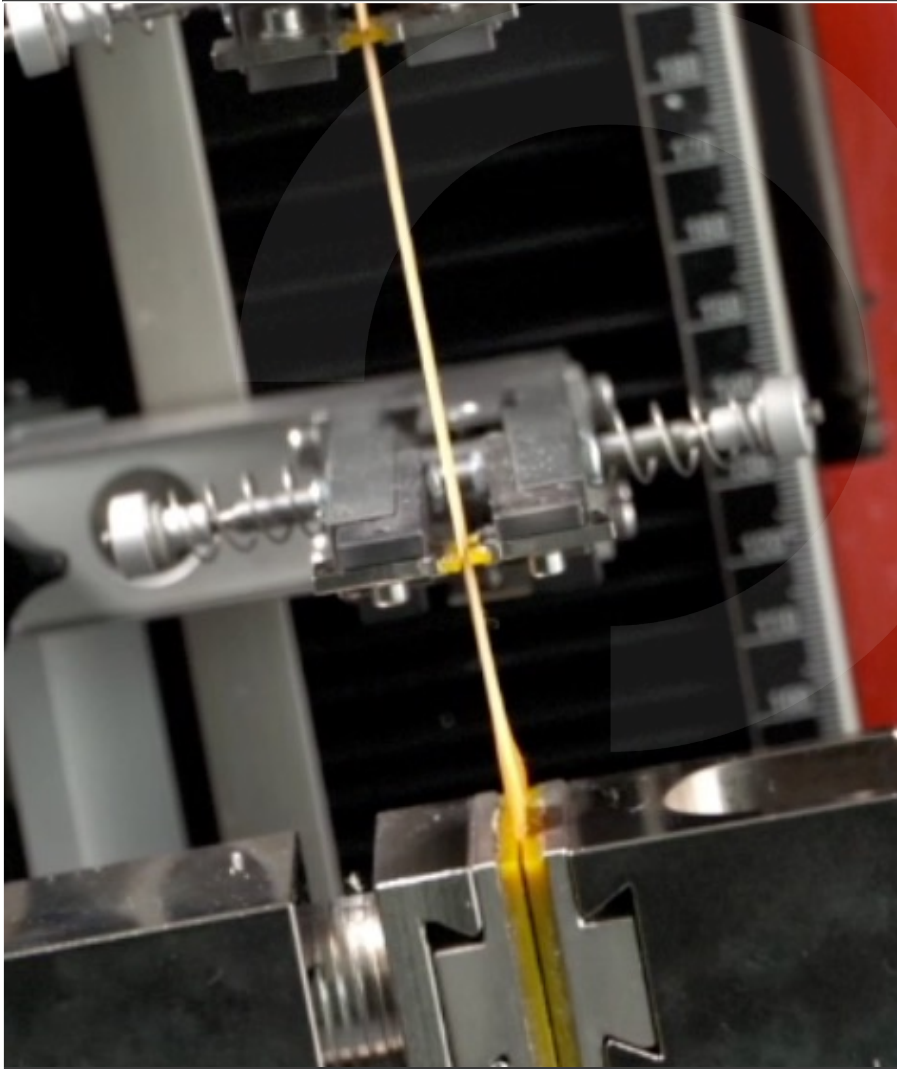
UK S.I. 2016
No. 1101



MOTIONLAB FACILITY



WE TEST, TEST, TEST



MOTION **LAB** is MOTION **CABLES** proprietary qualification and test center, designed to elevate your infrastructure to new levels of performance. Our center offers:

- **Precision testing:** Meticulous examination of each cable to ensure unmatched quality and compliance with the highest standards.
- **Certified compliance:** Cables compliant with industry regulations, offering a competitive advantage and peace of mind.
- **State-of-the-art technology:** Utilization of cutting-edge technologies to examine cable integrity and functionality.

5 REASONS WE KEEP ON TESTING

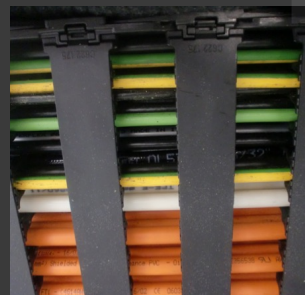
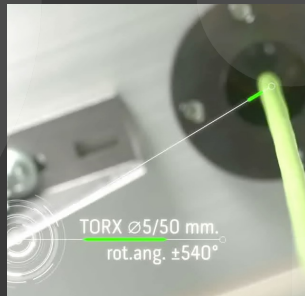
1. Cables need to keep their electrical properties within the given tolerances.
2. There should be no visible damage or degradation after exposure to environmental stressors.
3. Cables must resist to flexion, pulling and twisting forces without breaking.
4. Vibration and abrasion resistance should meet or exceed the relevant standards.
5. Exposure to chemicals should not result in a significant deterioration of cable's overall integrity.



REAL-LIFE SIMULATION TESTS

By subjecting cables to extensive real-life simulation testing, **MOTIONCABLES** can ensure that her products meet the needs of real-world applications, providing reliable and durable solutions for end users.

Life simulation test affects bending, tearing, pulling and forced drag-chain cycles.



TICK TOCK TEST

EN 50289-3-9

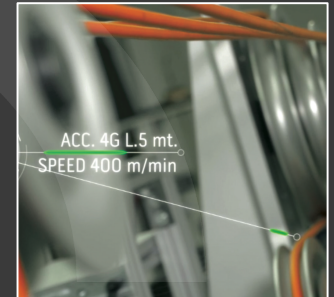
Max Tensile Load: 3000 N
Max Cable Diameter: 50 mm
Max Rotation Angle: $\pm 135^\circ$
Max Test Length: 100 m



REVERSE BENDING TEST

EN 50289.3.9

Run Length: 5 mt
Acceleration: 4 G
Speed: 400 m/min



TORSIONAL TEST

EN 50289-3-10

Max Length: 3000 N
Max Cable Diameter: 50 mm
Max Rotation Angle: $\pm 540^\circ$

DRAG CHAIN TEST

LIFE CYCLE SIMULATION

Runs: 2 ÷ 110 m
Acceleration: 0,5 ÷ 6 G
Speed (m/min): 100 ÷ 600

FLAME PROPAGATION TEST

Our MOTION**LAB** is equipped with a flame propagation test chamber unit where we can test according to:

UL 1581 – UL 2556

FT1
FT2
VW1

IEC 60332-1-1
IEC 60332-2-1



CUSTOMER CARE

Customer Care is the other side of MOTION **CABLES** ' way of working.

We consolidate partnerships and daily work through a constant interconnection between us and the customers.



QUICK ANSWERS

From simple requests to technical matters or new developments



AVAILABILITY

A flexible ever-evolving stock coupled with a reasonable delivery time



QUALITY OVER TIME

Constant control to minimize downtime and settle awareness



TYPES AND RANGE

The opportunity to almost find every time the most suitable product for an application



CONSTANT INNOVATION

We constantly improve existing products and propose new solutions and materials



INTERNATIONAL STANDARDS

We provide the most diffused and regulated standards that allow to work in every new market

OUR VALUES

At MOTION **CABLES** quality and service are not enough when it comes to our perspective.

There are other important values and a code of conduct to take care of.



Health and Safety



Integrity and Governance



Human Rights



Adherence to Law



Respect for Privacy



Continuous updating



Environments



Implementation

STOCKYARD AND LOGISTIC

A relevant part of our service rely on the growing stockyard and on the number of items we keep on regular stock. Plus, a good ratio between request and delivery from stock completes the picture.



30.000

M² STOCKYARD

Well organized and increasing
to keep the pace with our
growth



1500

DIFFERENT ITEMS

So we can cope with a lot of
requests in a short



48/72h

DELIVERY TIME

Taken from the stock, ready
on the next truck

EPLAN IN MOTION

MOTION**CABLES** has been inserted into the well known and worldwide used planning software platform EPLAN.

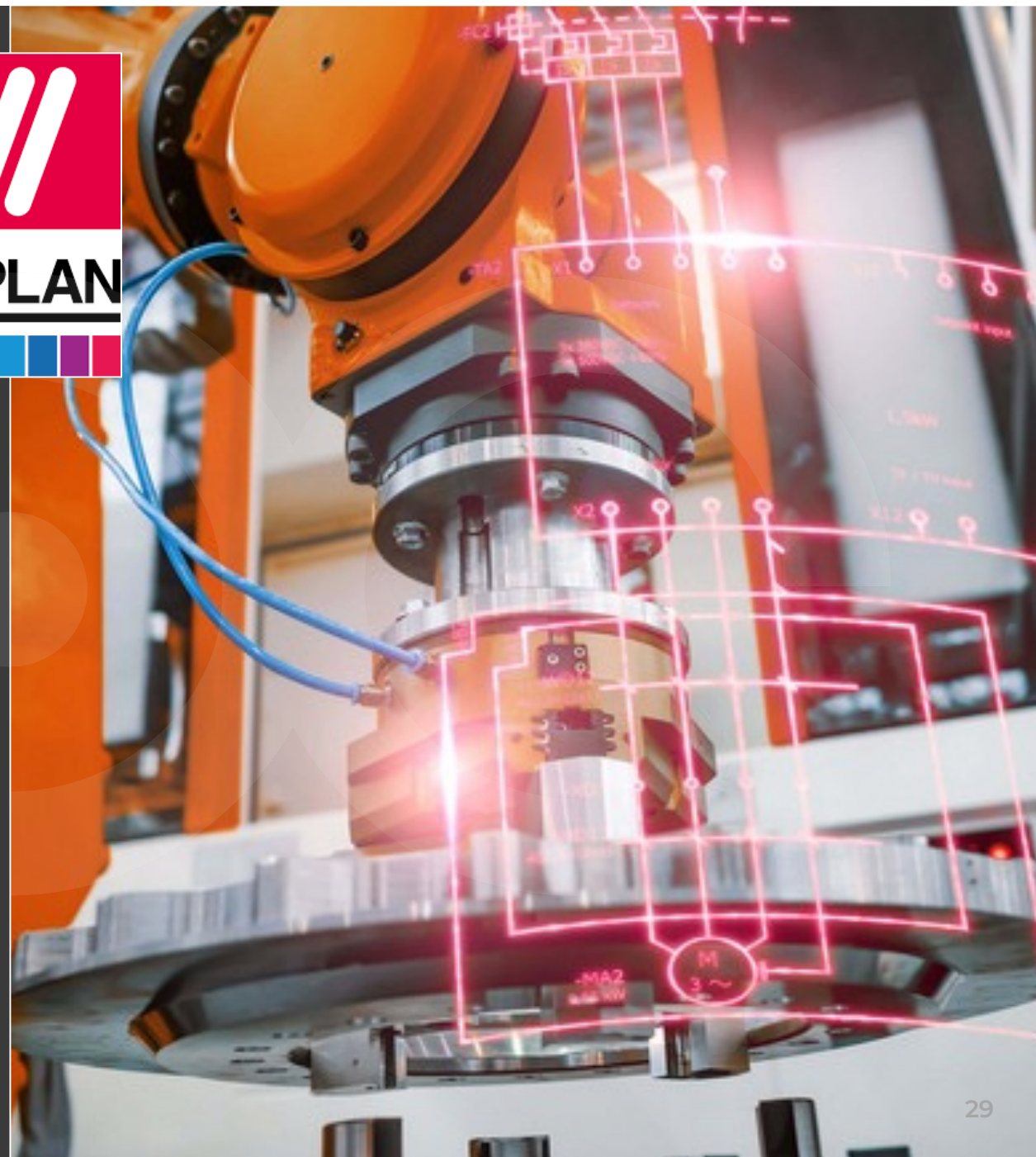
All our products are available from the EPLAN data portal.



**EPLAN DATA STANDARD
CHAMPION**
AUTUMN 2024

MOTION**CABLES** has been awarded as
EPLAN DATA STANDARD CHAMPION
Autumn 2024

This award acknowledges
MOTION**CABLES** as a manufacturer
that support the Eplan Data Standard in
an outstanding way.



10 REASONS FOR STEPPING IN MOTION



10

- 1. High Specialization**
- 2. Material optimization – less scraps**
- 3. Better inventory management**
- 4. Extremely effective production**
- 5. Quicker reaction time**
- 6. Fixed costs containment (lower)**
- 7. High competitiveness**
- 8. Constant quality level**
- 9. Up-to date support**
- 10. True customer care**

THEY HAVE CHOOSE MOTIONCABLES



A member of the ABB Group

BECKHOFF

New Automation Technology

SIEMENS



Lenze



BOSCH



KRONES

KOLLMORGEN

FESTO

They are some of the most well known to have choose MOTION**CABLES** as their partner, but MOTION**CABLES** attract a lot of other companies due to her way of doing business, something that boasts from extreme professionalism to family mood.



**THANK
YOU**