

TECO,  
YOUR TECHNOLOGY  
PARTNER FOR INDUSTRIAL  
AUTOMATION.

# 40 YEARS OF EXPERIENCE *DRIVEN BY PASSION.*



**Roberto Roversi  
founds Te.Co.**

**1982**

**1999**

Begins the  
**partnership with  
Datalogic.**

**2005**

Launches **Te.Co.  
cable and  
registers the FRX®,  
PMXX® and TFX®  
trademarks.**

**2007**

Obtains  
**international  
certification**  
to serve our clients  
around the world.

**2015**

Recognized  
**reference partner  
for Rockwell  
Automation.**

**2016-2019**

Becomes member of the  
**PROFIBUS/PROFINET &  
ETHERCAT consortium.**

**2022**

**Celebrates 40 years!**  
The new generation redefines  
the **brand identity.**  
Our cables are now shipped  
**to 34 countries.**  
Becomes **Value-Added  
Distributor** (VAD) for **Rockwell  
Automation** and **Diamond  
Partner** with **Datalogic.**

...WELCOME  
TO THE NEXT  
40 YEARS.



With 40 years of experience in the industrial automation sector and a constant focus on the future, TECO is a company specialized in the **design, consultancy and commercialization of TECO special made in Italy cables and cable entry systems, together with selected solutions from the top technology partners in the industry.**

At TECO, **we are passionate about what we do, moving forward with enthusiasm and determination.** Our roots are in a region with a great industrial tradition, this allows us to react quickly and keep up with the needs of our customers. Our solutions are the result of a new generation of technological development, a talented team of specialists and continuous investment in innovation. We are one of the leaders in Italy and we are continuously growing abroad.

**That's TECO.**



THE CUSTOMER  
IS AT OUR HEART  
AND ALL OUR  
*SERVICES* ARE  
DEVOTED  
TO THEM.

***Skill, speed, support.***

We are a reactive organization that quickly **responds to even the most complex requests.** Over the years we have learned to identify customers' real expectations and design solutions to meet them.

Our customers choose us due to our solutions' quality, but we gain them only based on the reliability of our service.





WHAT IS THE SECRET  
OF OUR SPEED?  
**IT IS IN THE  
WAREHOUSE.**



At TECO, we rely on over **1,500 special made in Italy cables** and **5,000 cable entry systems and industrial component references** from our technology partners, all available in stock within **an efficient, fully digitalized warehouse.**

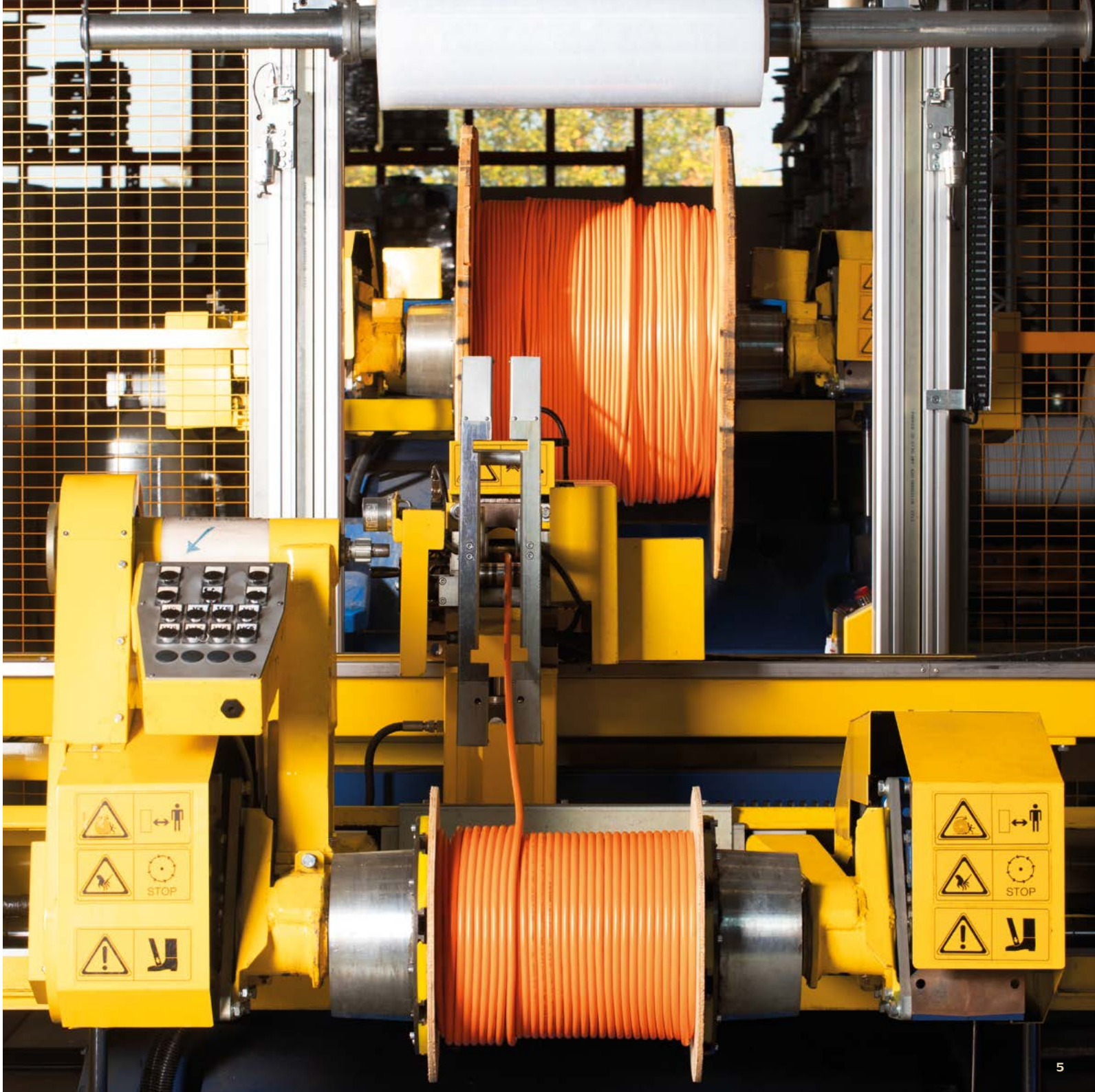
Cables and components are readily available, and can be custom-cut if needed, to ensure fast delivery to our customers.

Sometimes, responding quickly to a request can make a huge difference.

WE CAN CUT  
CABLES TO SIZE,  
**WITHOUT  
AFFECTING THEIR  
CERTIFICATION.**



Our certified cables are cut and traceable according to the *UL Processed Wire Respooled* standard, meaning that they will never lose UL certification.





# THE VALUE OF PEOPLE, BEYOND TECHNOLOGY.

Behind our development lies a **team of passionate people working every day towards a common goal.**

We believe in talent and in motivating everyone as part of a team because the balanced combination of these two factors is the right formula to achieve top-level support.

**From our in-house personnel to our sales network, our large team works as one.**

NOT JUST  
A SALES TEAM  
BUT **TRUE  
CONSULTANTS.**



Our **extensive sales network** is the best way to stay close to the needs of every customer. **Our focus is still the understanding:** getting to know the requirements of each company, understanding their inner structures and cultivating relationships which lead to ideal solutions.

**ASSISTANCE  
AND SUPPORT,  
A CONTINUOUS  
EXCHANGE.**



TECO sales staff always work in close contact with our internal **Inside Sales** teams. **There's close collaboration between both departments who work daily with the customers** to answer their requests, to elaborate quotations, to meet special needs, and to provide them with the availability of cables and industrial components.

**THE BEST  
SOLUTION  
IS THE ONE WE  
DEVELOP TOGETHER.**



Our **Technical Department, our Sales Engineers and Product Manager** work with the customer to identify the correct cable or component and optimize the project, according to each specific requirement. This means we offer **advanced support as a true and integrated partner for the customer.**

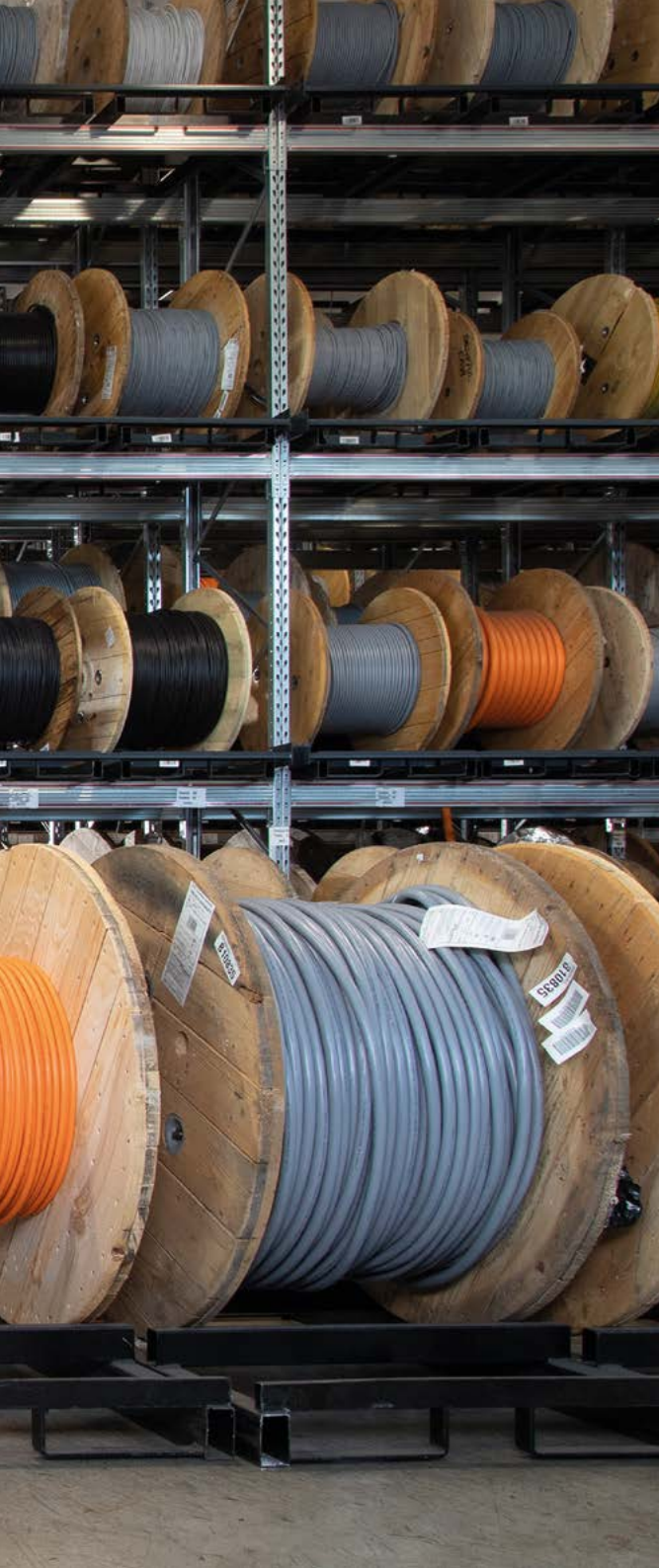
SHARE EXPERIENCE,  
**HAND DOWN  
KNOWLEDGE.  
TECO\_LAB.**



In a constantly evolving sector, always being focused on the product is the only way to face the challenges of the future.

This is as true for us as it is for our customers, to whom we offer technical update training sessions, videos, interviews with experts and bite-size sessions on how to use and install cables and components. These **continuous training tools are primarily aimed at our employees but are also used by our customers and sector partners.**





ALL OUR CABLES  
COMPLY WITH  
THE LATEST  
REQUIREMENTS.

All TECO brand cables are produced under the supervision of our **Research & Development team** who have honed their ability to produce innovative products over the years.

Our cables are designed and patented to connect to the most niche requirements in the industrial automation.

**QUALITY  
CERTIFIED,**  
INTERNATIONALLY  
GUARANTEED.



**Cutting-edge products need top-level certification.** Most of our special cables are **certified by Underwriters Laboratories (UL) and the Canadian Standards Association (CSA).**

We subject ourselves to the strictest checks, testing the efficiency of our organization, processes and solutions. We are proud to have achieved **ISO 9001:2015** certification. The best guarantee for our customers is our standing attention to quality.






















**UNLIMITED  
APPLICATIONS,**  
UNIQUE  
EXCELLENCE.

**TECO cables meet the multitude of requirements found in the industrial automation sector.**

They are used to wire up **electrical panels, control boards, link motors to a fieldbus and connect an entire production line.**





































Besides applications we can undertake ad hoc projects to map specific solutions.

 AIR CONDITIONING SYSTEMS	 BUILDINGS	 CERAMICS	 EOLIC ENERGY
 ELECTRONICS & ELECTROMECHANICS	 FOOD & BEVERAGE	 LOGISTICS	 MACHINE TOOLS
 MECHANICAL ENGINEERING	 PACKAGING	 STEEL PRODUCTION AND ROLLING MILLS	 WOOD

	 DRAG CHAINS	 AUTOMATIC MACHINERY	 MACHINE-TOOLS	 FLAME-RETARDANT	 OIL-RESISTANT	 LOW TEMPERATURE	 FLEX-TORSIONAL APPLICATIONS	 ARMoured	 SERVOMOTOR	 ELECTRICAL PANELS	 WATER-RESISTANT	 BUILDING	 IT & TELECOMMUNICATION	 SIGNAL TRANSMISSION		 LISTED E471678	 E244280		◀HARD▶	CPR 305/11   Eca				EMC 2014/30/UE		
FRX® PLUS	✓	✓	✓	✓	✓				✓					✓		✓	✓				✓	✓	✓	✓		
PMXX® PLUS	✓	✓	✓	✓	✓	✓	✓		✓					✓			✓	✓			✓	✓	✓	✓	✓	
SERVOLINK® FE PLUS		✓	✓	✓	✓				✓								✓	✓			✓	✓	✓	✓		
TECWIRE® MULTIRATED TYPE MTW – TEW – HAR			✓	✓	✓					✓						✓	✓	✓	✓		✓	✓				
TECNIFLEX® STYLE 21179		✓	✓	✓	✓												✓	✓			✓	✓		✓		
TECNIFLEX® TC-ER		✓	✓	✓	✓						✓	✓				✓	✓	✓			✓	✓		✓		
TECNIFLEX® TC-ER NYLON		✓	✓	✓	✓						✓	✓				✓	✓	✓			✓	✓		✓		
VFDRIVE® 2XSLCYK-JB			✓	✓	✓				✓								✓	✓			✓	✓		✓		
TECNIFLEX® TFX		✓		✓	✓															✓	✓	✓		✓		
TECNIFLEX® TFX BK UL 2570		✓		✓	✓												✓	✓			✓	✓		✓		
TECNIFLEX® TFX AR		✓		✓				✓												✓	✓	✓				
TECSIGNAL®		✓		✓	✓								✓	✓			✓	✓			✓	✓		✓		
DATA	✓	✓		✓	✓	✓								✓		✓	✓	✓			✓	✓	✓	✓	✓	



# CABLES FOR DYNAMIC APPLICATION IN DRAG CHAIN

TYPE	JACKET	SHIELD	INSULATION	REFERENCE STANDARDS	WORKING VOLTAGE [V]	MIN. BENDING RADIUS [X Ø CABLE] SA / DA	TECO PRODUCT FAMILY
POWER&CONTROL SINGLE CORE	PVC		PP	  	1000	4 / 7,5	FRX® PLUS
	PVC	Sì	PP	  	1000	4 / 7,5	FRX® PLUS SH
	PUR		PP	  	1000	5 / 7	PMXX® PLUS
	PUR	Sì	PP	  	1000	5 / 7	PMXX® PLUS SH
POWER&CONTROL MULTICORE	PVC		PP	  	1000	4 / 7,5	FRX® PLUS
	PVC	Sì	PP	  	1000	4 / 7,5	FRX® PLUS SH
	PUR		PP	  	1000	4 / 6	PMXX® PLUS
	PUR	Sì	PP	  	1000	4 / 6	PMXX® PLUS SH
SERVO	PVC	Sì	PP	  	1000	4 / 7,5	FRX® PLUS SH
	PUR	Sì	PP	  	1000	3 / 6	PMXX® PLUS SH
ENCODER	PVC	Sì	PP	  	300	6 / 7,5	FRX® PLUS SH
	PUR	Sì	PP	  	300	5 / 7	PMXX® PLUS SH

**PVC** = Polyvinylchloride

**PUR** = Polyurethane









































**PE** = Polyethylene

**PP** = Polypropylene

**PEE** = Foamed Polyethylene

**PO** = Polylephin

**XLPE** = Cross-linked Polyethylene

TYPE	JACKET	SHIELD	INSULATION	REFERENCE STANDARDS	WORKING VOLTAGE [V]	MIN. BENDING RADIUS [X Ø CABLE] SA / DA	TECO PRODUCT FAMILY
SIGNAL TRANSMISSION	PVC		PP	  	300	4 / 6	FRX® PLUS
	PVC	Sì	PP	  	300	6 / 7,5	FRX® PLUS SH
	PUR		PP	  	300	4 / 6	PMXX® PLUS
	PUR	Sì	PP	  	300	4 / 6	PMXX® PLUS SH
SENSOR	PVC		PVC	  	300	6 / 7,5	FRX® SENSOR & ACTUATOR
	PUR		PP	  	300	4 / 6	PMXX® SENSOR & ACTUATOR
	PUR		PP	  	300 / 1000	4 / 7,5	PMXX® SENSOR & ACTUATOR
DATA	PVC	Sì	PEE	  	300	10 / 12	PROFIBUS
	PUR	Sì	PEE	 	30	6 / ,5	PROFIBUS
	PUR	Sì	PEE	  	1000	6 / 10	PROFINET / ETHERCAT
	PUR	Sì	PO	   	30 / 300 / 1000	6 / 10	ETHERNET
	PUR	Sì	PE	 	30	6 / 10	CANOPEN
	PUR	Sì	PE	 	30	6 / 10	INTERBUS
	PUR	Sì	PEE	  	300	6 / 10	DEVICENET

**<HARD>** = EU Harmonization

**CPR 305/11 | Eca** = Cpr Approval CI. Eca





































































 = UL Listed Standard

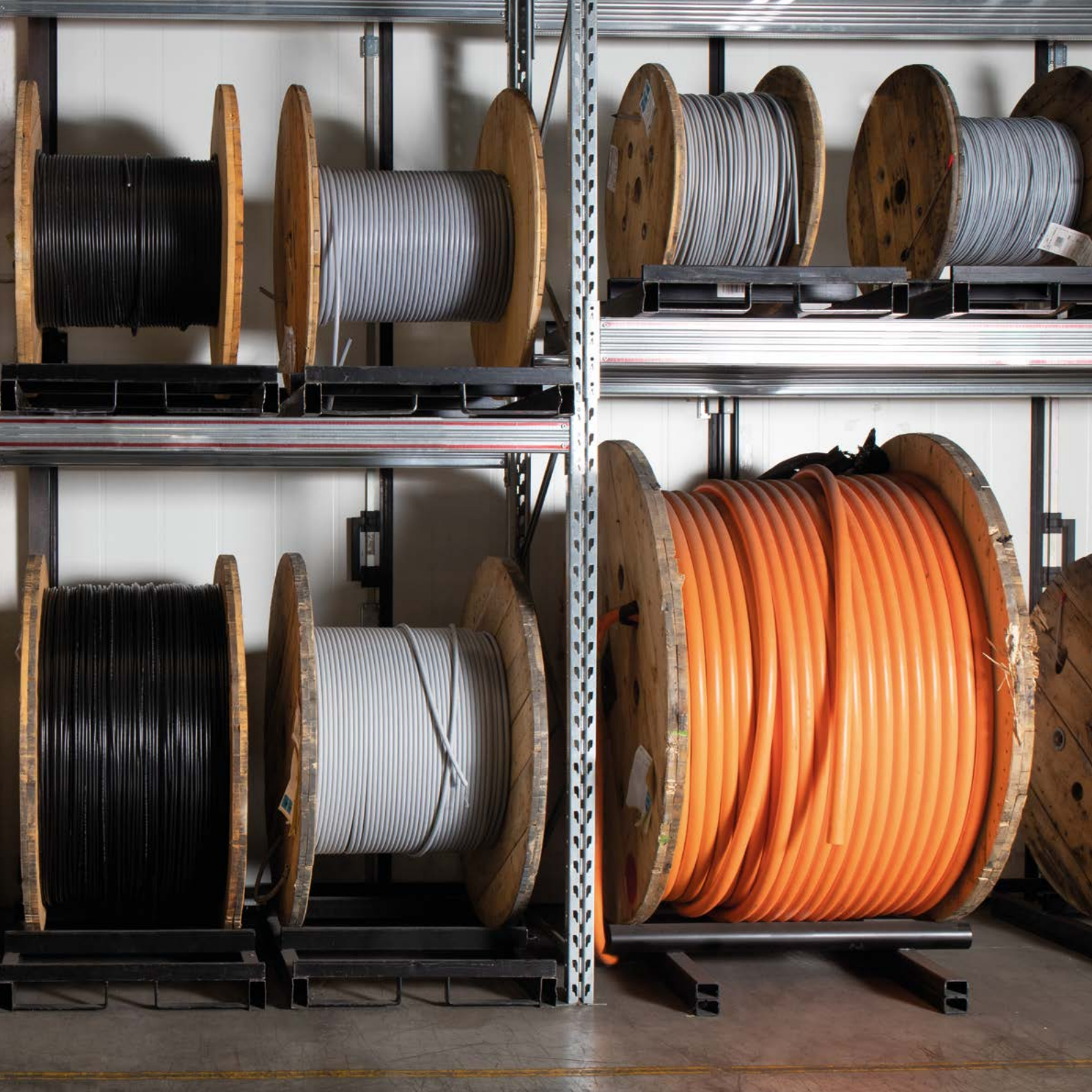
 = UL Recognized Standard

 = CSA Standard

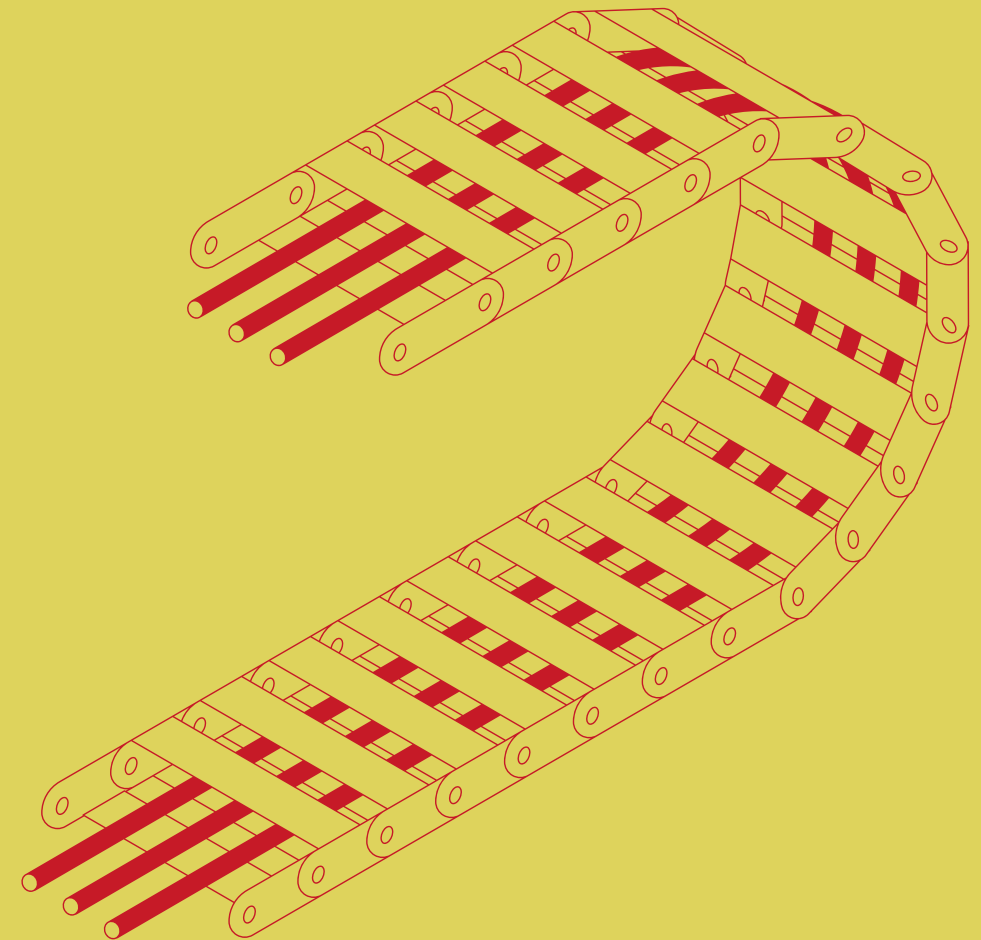
 = CE Standard

# CABLES FOR STATIC APPLICATION

TYPE	JACKET	SHIELD	INSULATION	REFERENCE STANDARDS	WORKING VOLTAGE [V]	MIN. BENDING RADIUS [x Ø CABLE] SA	TECO PRODUCT FAMILY
HOOK-UP WIRE			PVC	                                                                   			



# **DYNAMIC** APPLICATION





# SINGLE CORES **FRX® AND PMXX®** **SHIELDED AND UNSHIELDED** **90°C 1000V UL/CSA**

These special highly flexible single cores cable for drag chains are used where flexibility under medium-level mechanical stress is a requirement, along with free movement without traction stress or forced movements in dry and humid environments, also for outdoor use.

These cables are designed mainly for machinery manufacturers operating in the export market for: flexible machinery, machine tools, robotics and moving and fixed parts of automated and mobile machinery (**FRX®**).

Highly dynamic specifications, reduced curvature radius, chemical resistance to oil and industrial fluids are the main features of these cables in the version with **PUR sheath (PMXX®)**, adding specific performance levels for low-temperature applications.

The range of applications increases with this new version featuring **insulation with low dielectric capacity** as the permanent operating temperature increases up to **90°C**. The shielded versions have optimum **EMC** performance against interference from electromagnetic fields.



# MULTICORE **FRX® AND PMXX®** SHIELDED AND UNSHIELDED 90°C 1000V UL/CSA

This range of power and control multicore cables is ideal for cable chain applications (FRX® & PMXX®).

All cables are specified as highly flexible, with a reduced curvature radius, chemical resistance to oil and industrial fluids, resistance to chemical agents, along with good **resistance to UV rays** (depending on the temperature range).

The version with **PUR sheath** is also suited to low-temperature applications. **Insulation with low dielectric capacity**, since the permanent operating temperature rises up to **90°C** and operating voltage increases to **1000V**, expands the range of applications for all these products. The shielded versions have optimum **EMC** performance against interference from electromagnetic fields.



# SERVO FE, FRX® AND PMXX® SHIELDED 90°C 1000V UL/CSA DESINA STANDARD®

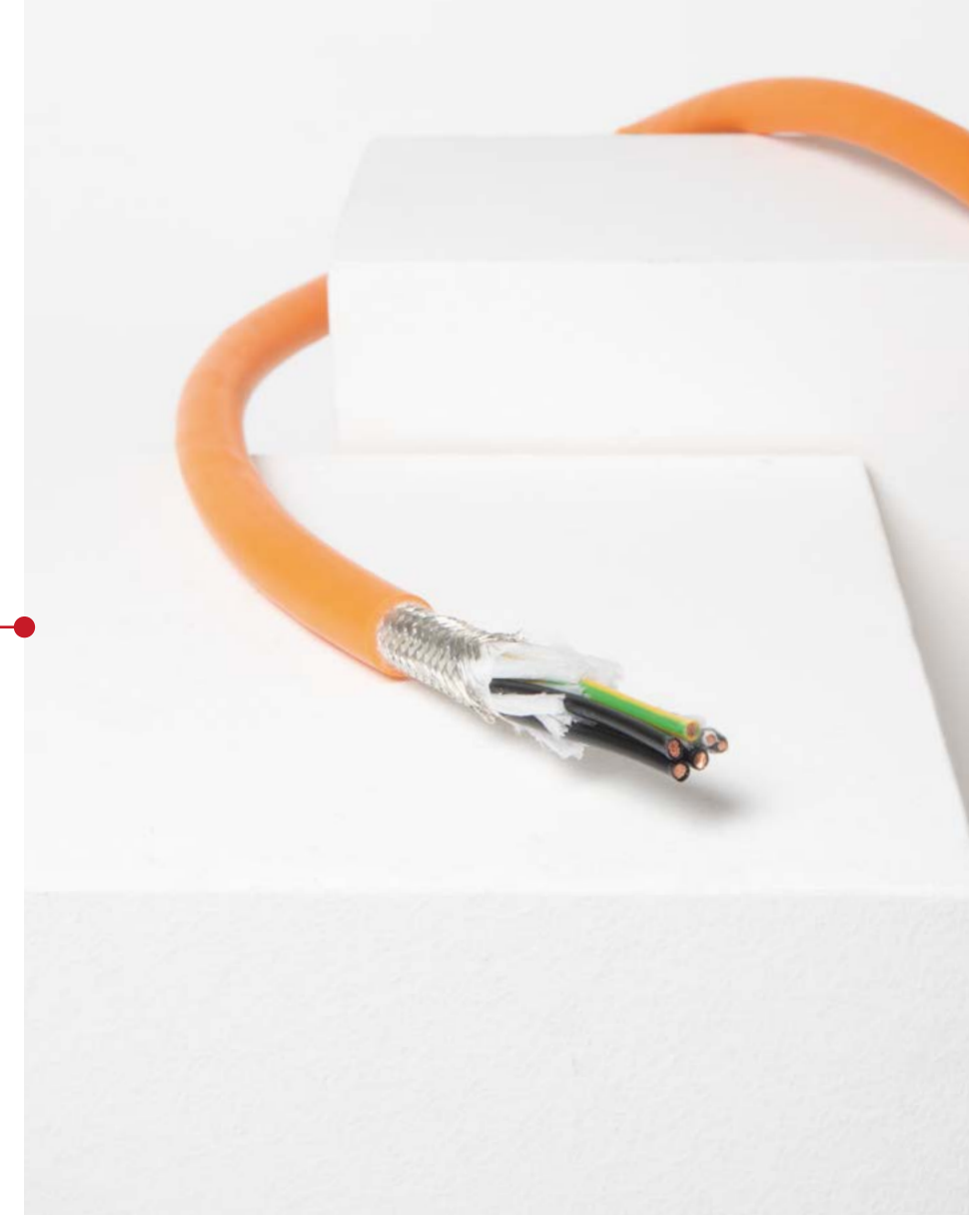
Our TECO Servo cables are designed for power supply and servomotor action control systems.

These cables are manufactured to the standards set by the biggest players in this sector like **Siemens, Rockwell, Bosch Rexroth, SEW, etc.**

These highly flexible conductors with external **sheaths** made of **PVC (FRX®)**, oil resistant and **PUR (PMXX®)**, are suited to a wide range of **fixed (SERVOLINK®) and dynamic applications** with high-performance in cable chains (**FRX® & PMXX®**).

Highly dynamic specifications, reduced curvature radius, chemical resistance to oil and industrial fluids. The version with **PUR sheath** is also suited to **low-temperature applications**. **Insulation with low dielectric capacity**, as the permanent operating temperature rises up to **90°C**, the range of applications increases; braided pressed copper shielding with wide coverage has a high **EMC protection** against interference from electromagnetic fields.

*The cited brand names belong to the individual companies and are used only for comparison. Desina® is a registered trademark of the German manufacturers of machine tooling (VDW).*





# ENCODER CABLES **FRX® AND PMXX®** **90°C 300V UL/CSA** **DESINA STANDARD®**

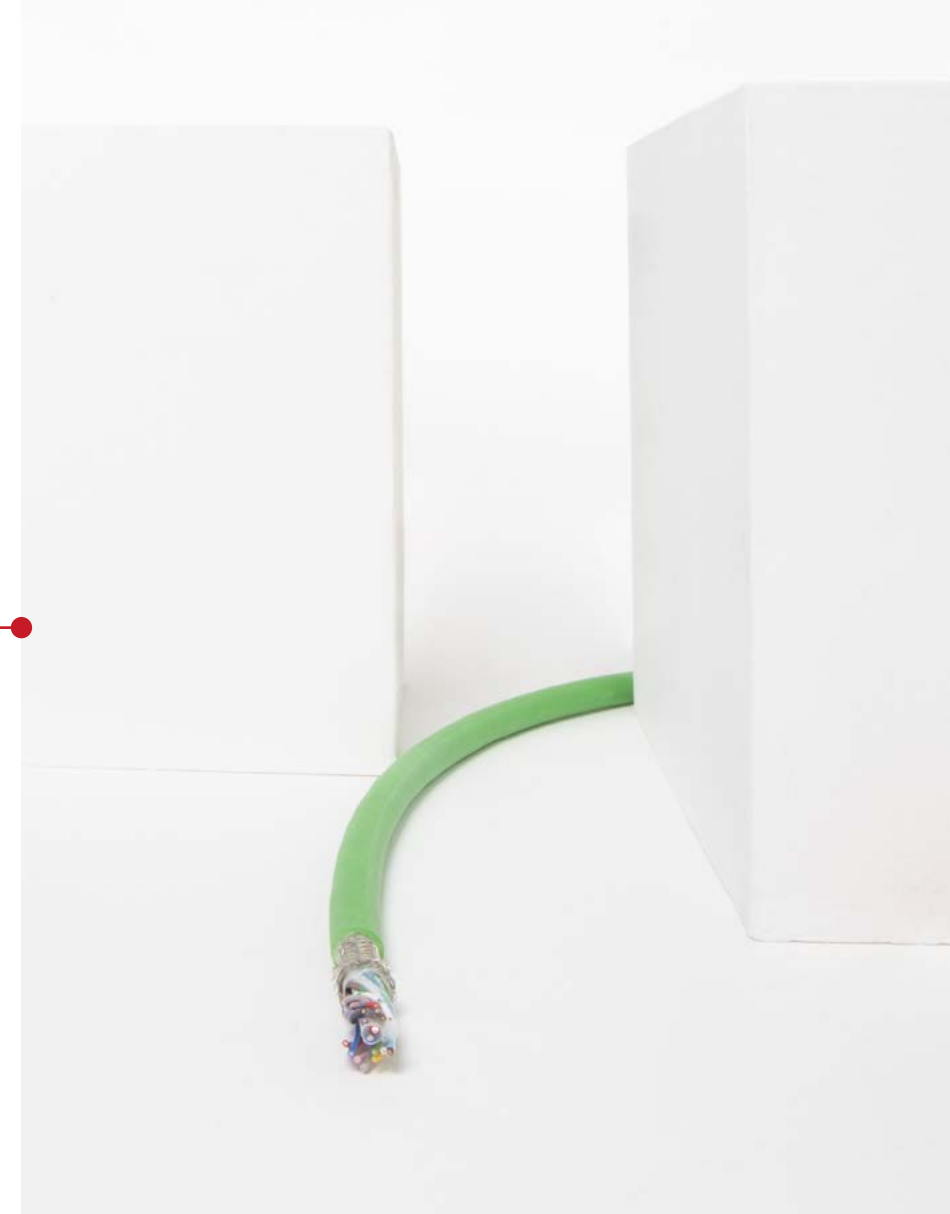
**These incremental encoder cables or position feedback cables transmit control pulses for positioning and operating specifications in servomotors.**

These cables are manufactured according to the standards set by the biggest players in this sector: **Siemens, Rockwell, Bosch Rexroth, Heidenhain, etc.**

These cables are used to connect tachymeters, brakes and power generators in applications subject to high mechanical stress, in industrial machinery, machine tools, control and automation equipment.

All of these cables are highly flexible with reduced curvature radius and are ideal for **use in cable chains (FRX® with PVC sheath)** and for high-performance applications also in cable chains **(PMXX® with PUR sheath)**, which adds specific performance levels for low-temperature applications. These cables can withstand operating temperatures of up to **90°C**, which along with **low dielectric capacity insulation**, extends their wide range of uses.

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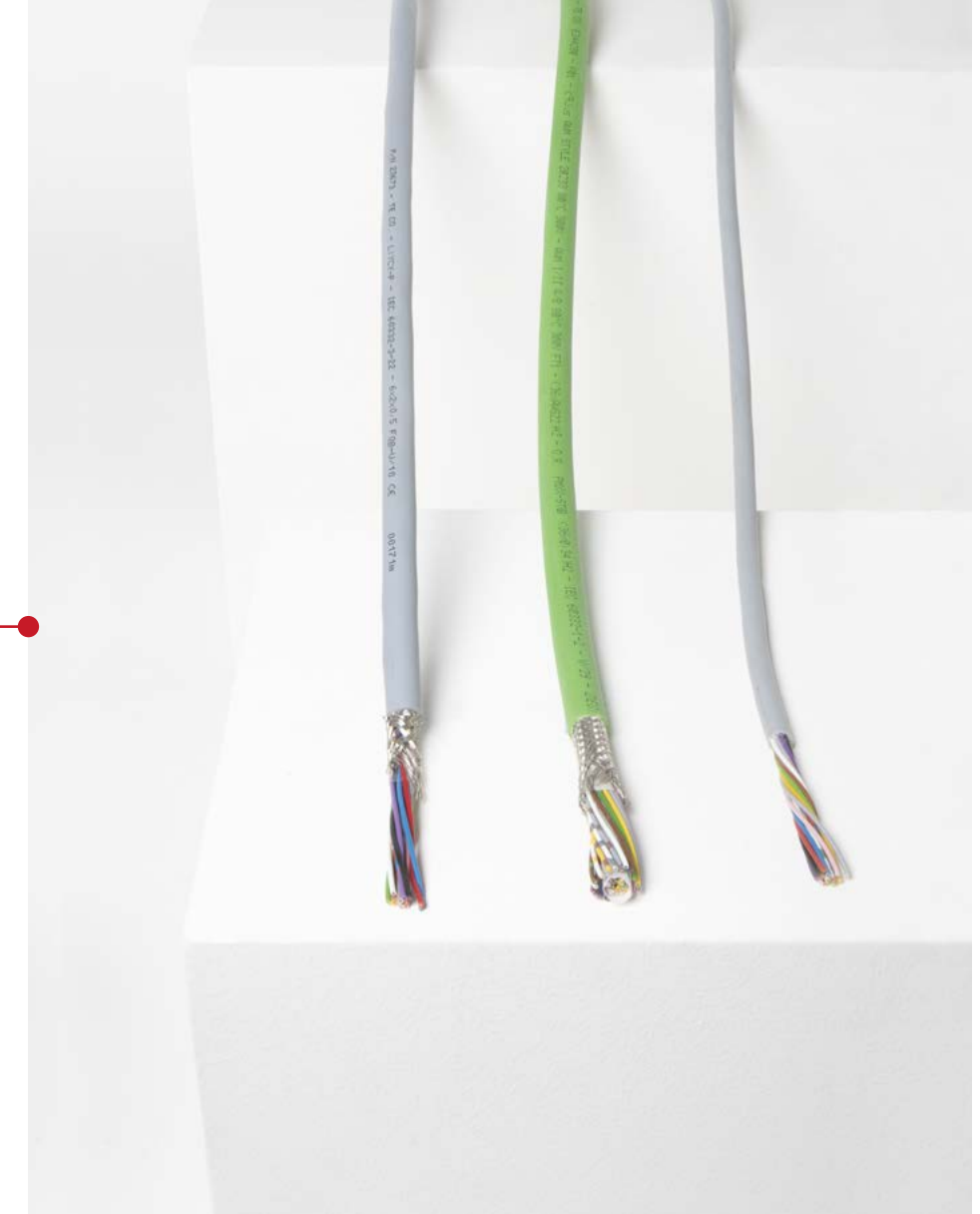
# SIGNAL TRANSMISSION **FRX® AND PMXX®** **SHIELDED AND UNSHIELDED** **90°C 300V UL/CSA**

These flexible signal cables are used to transmit analog and digital signals in dynamic applications running cable chains and automated machinery, with low dielectric capacity PVC insulation, suitable for use in cable chains where there is a limited presence of oil.

**FRX® and PMXX®** are shielded or unshielded cables specially designed for cable chains. These cables may be used in applications where external high-frequency interference can affect the transmission of electrical impulses.

They are used in the construction of machinery and tools, robotics, continuously moving machine components and long-term use, where permanent flexibility is a requirement. These highly flexible data cables have an **external sheath made from shear-resistant, low-adhesion PUR**, guaranteeing optimum lifespan and performance.

These cables are also suited for applications at **operating temperatures up to 90°C**, which along with **low dielectric capacity insulation** extends their range of use. The shielded versions have optimum **EMC** performance against interference from electromagnetic fields.



# STATIC APPLICATION



## HOOK-UP WIRE **TECWIRE®** **MULTIRATED** **TYPE MTW- TEW – HAR** **UL/CSA**



TECO cables of this type are **dual-rated in AWG and mm<sup>2</sup>**; they can manage up to 1000V and temperatures from **-40°C to +105°C**.

**MTW certification** also permits their use in contact with industrial oils.







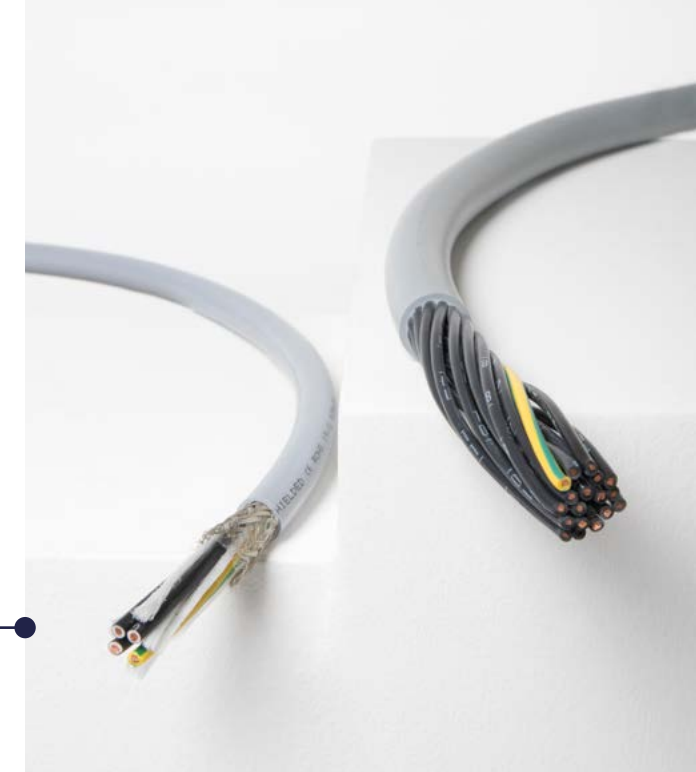
MULTICORE  
**TECNIFLEX®**  
**STYLE 21179**  
**SHIELDED AND**  
**UNSHIELDED**  
**90°C 1000V**  
**UL/CSA**

They may be used to wire machines in a wide range of sectors: metalwork and ceramics, machine tools, conveyor belts, paper production and many others.

**These cables with a gray PVC sheath have an operating voltage of up to 1000V and are suited to environments where there is a limited presence of oil.**

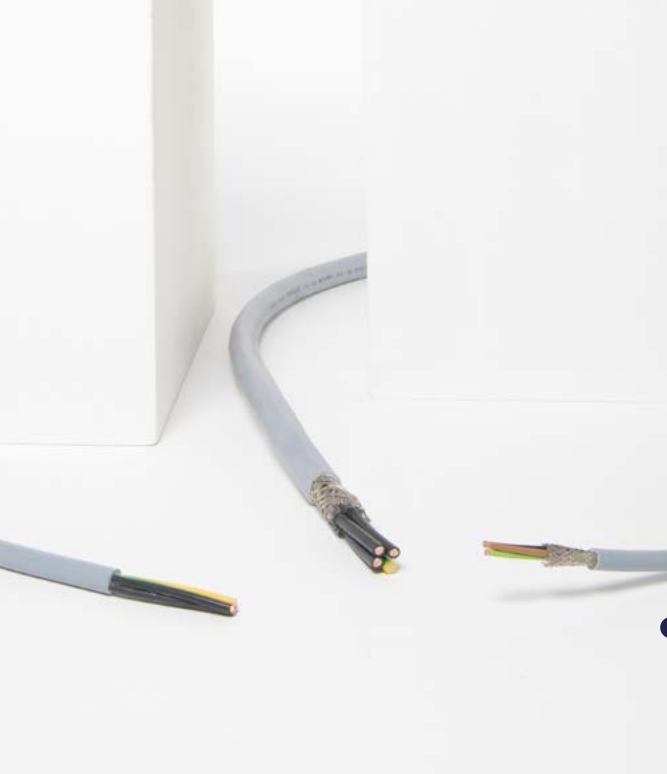
MULTICORE  
**TECNIFLEX® TC-ER**  
**SHIELDED AND**  
**UNSHIELDED**  
**UL/CSA**  
**NFPA 70/NFPA 79**

**These multi core Tray Cables Exposed Run are also used to connect to a building's electricity supply.**



**UL TC-ER and CSA CIC/TC-ER** certification means they are suitable for **placement inside ducts and between two unsupported ducts.**

Also suitable for underground applications **(DIR BUR)** and in humid locations **(up to 75°C WET APPROVAL)**. Highly resistant to industrial oils, Sunlight Resistant **(Sun. Res.)**, self-extinguishing CSA FT4; UL Vertical-Tray Flame Test.



## MULTICORE **TECNIFLEX® TFX** **SHIELDED AND** **UNSHIELDED**

These are suitable for wiring machines or switchboards, or situations requiring reduced diameters. The **sheath** is made of **gray PVC**.

These products are flame-resistant according to IEC 60332-1-2/DIN EN 60332-1-2 standards.

**Our TFX and cables are multicore power or control cables U<sub>0</sub>/U 450/750V, unshielded or shielded, compliant with CPR regulation, class Eca.**

## MULTICORE **TECNIFLEX®** **TFX BK UL 2570**

### **TECNIFLEX®** **TFX AR**

**TECNIFLEX® BK UL 2570**  
**SHIELDED AND**  
**UNSHIELDED**

### **TECNIFLEX® AR**

Tecniflex® TFX BK UL 2570 UL/CSA multicore cables have an operating voltage of **U<sub>0</sub>/U 1000V**. Excellent resistance to industrial oils and flame retardant according to **UL (VW-1) and CSA (FT1) standards**. UV resistant, highly versatile and suitable for a wide range of industrial applications.

In this **armored version**, our Tecniflex® TFX AR cables have a **transparent sheath** and physical/mechanical protection of braided zinc/ steel armor with coverage of 65%. Perfect for application in particularly hostile duct environments. **Certified CPR**, they are ideal not just for industrial uses.





## INVERTER **VFDRIVE®** **2XSLCYK-JB** **90°C 1000V** **UL/CSA**

With a black **PVC** sheath, **XLPE** insulation and an operating voltage of **1000V**, these cables are used in static applications subject to temperatures up to **90°C**.

The small-diameter geometric configuration, with the **3 external grounding conductors**, is designed to allow proper and balanced control of the motor by the inverter, with a view to greatly reducing electromagnetic noise.

It is particularly suitable to the heavy, paper and metalworking industries and where presses are present.

Our VFDRIVE®  
**2XSLCYK-JB**  
cables are certified  
**UL/CSA** for connections  
between motors and  
variable frequency  
drives.

## SIGNAL TRANSMISSION **TECSIGNAL®** **LiYY AND LiYCY**

Suitable for signal  
transmission, these  
cables are used to  
connect electronics,  
measurement  
instruments, control/  
command and signaling  
applications.  
The drain conductor  
makes cabling quick  
and easy.

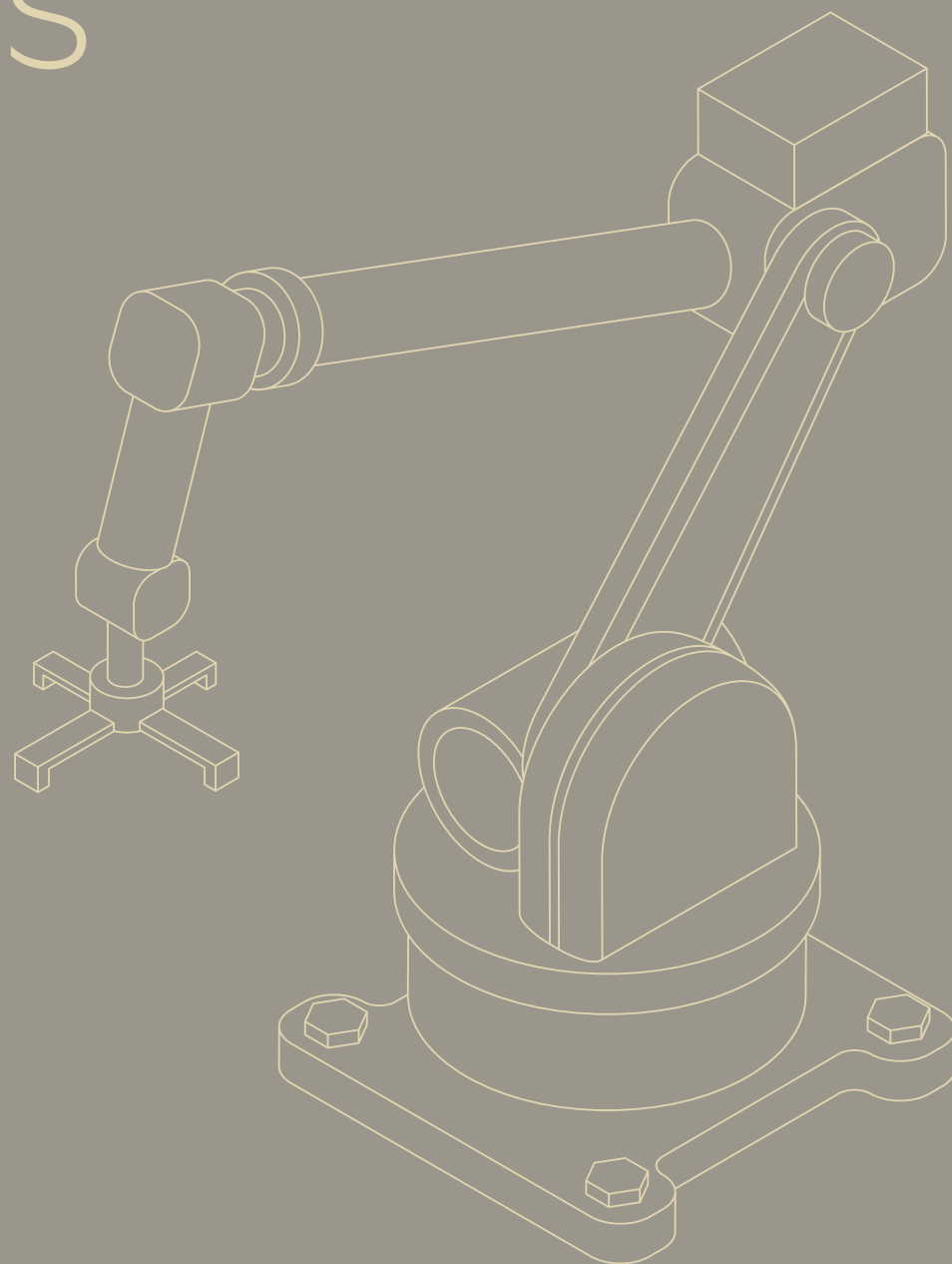


The **conductors** and **sheath** are made of a mix of various types of **PVC** and are color-coded according to the standards used in the manufacture of sensors.

TECSIGNAL® includes **LiYY (unshielded version)** cables and **LiYCY (shielded version)** cables which ensure optimum shielding from electromagnetic interference. Both fitted with insulation, **DIN 47100 coloring** and external **PVC sheath**, they have a **reduced external diameter even with a high number of internal conductors**. Both versions are flame-resistant in accordance with IEC 60332-1-2/DIN EN 60332-1-2 standards.



# DATA CABLES



## DATA CABLES

Our **DATA** cables for mobile or static applications comply with the most commonly used communications protocols in the industrial sector. Furthermore, all are UL and CSA certified to provide maximum versatility of use in diverse cabling applications.



Various **BUS** cables have **1000V** isolation voltage and, where space is limited, conductor pairs may have a four-point arrangement.

BUS cables for dynamic applications belong to the **FRX**® and **PMXX**® families for use in cable chains. These cables are essential for simplifying the cabling and management of production lines. TECO DATA cables portfolio includes: **Industrial ethernet** from cat.5 to cat.7 and **Serial bus**.

**PROFI**  
**BUS**

**PROFI**  
**NET**

Ether**CAT**

**CAN**open

Device**Net**

Ether**Net/IP**

**INTERBUS**

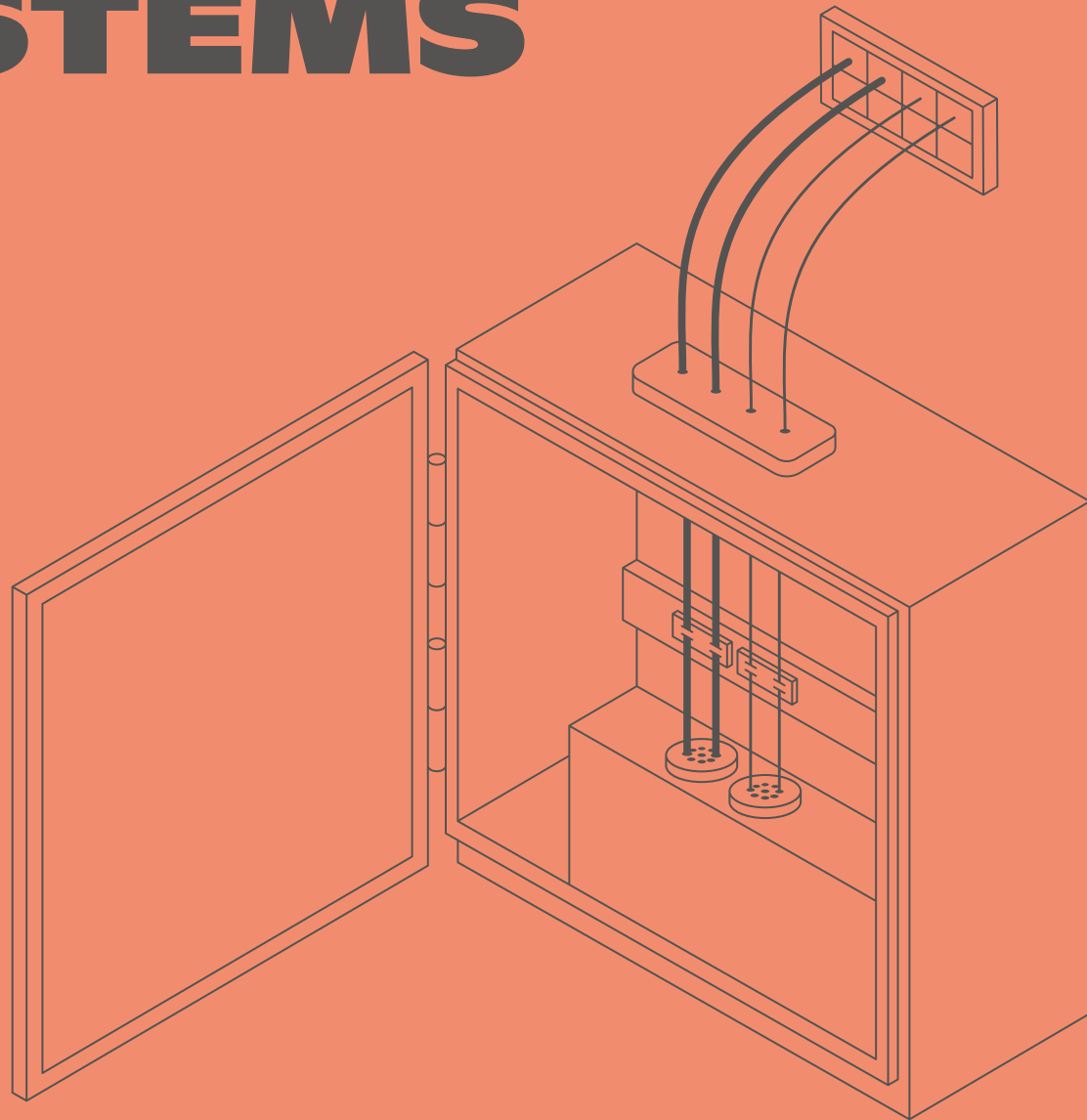
**Modbus**

**sercos**  
the automation bus



# TECO CABLE ENTRY SYSTEMS

NEW TECO  
*PRODUCT RANGE*



Based on our experience, it guarantees a **perfect integration with any type of cable** for the industrial automation.

Designed for fast and safe handling, it ensures **efficiency and easy use.**

This product range offers **versatility** with a reduced number of codes, which simplifies and improves item selection, orders and stock management for our customers.



## SPLITTABLE FRAMES

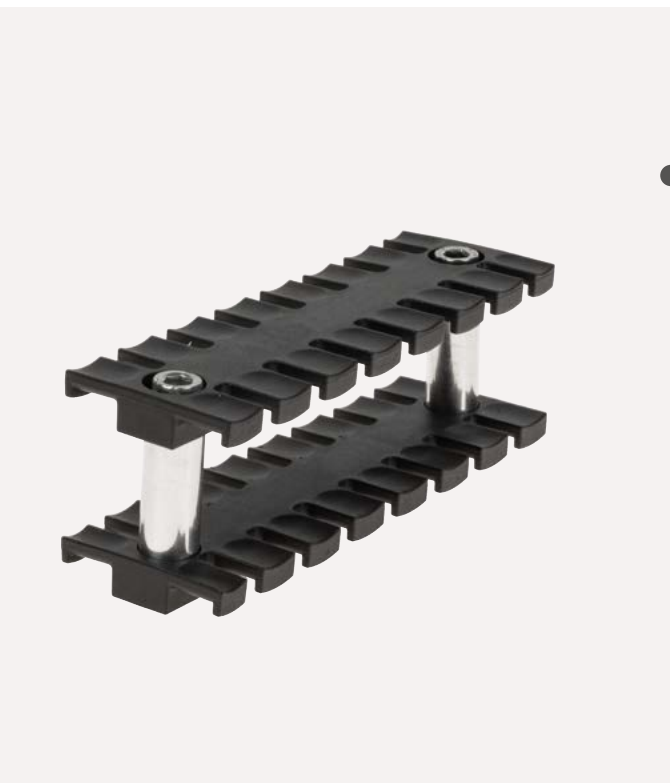
TPD splittable series allows cables with and without connectors to pass through cabinets. Once assembled, the system guarantees cable strain relief and high IP protection.

Available in both rectangular shape, like the most common industrial connectors, and circular ones, they guarantee maximum application flexibility, also thanks to its numerous certifications.

## MEMBRANE FRAMES

TPS D double membrane plates allow multiple cables without connectors to pass through cabinets. The double membrane guarantees the strain relief and high IP protection.

Available in both rectangular shape, like the most common industrial connectors, and circular ones, they offer maximum application flexibility, also due to numerous certifications.



## CABLE FIXINGS

TFP anti-tear cable combs can be used in electrical panels or equipments to keep cables in order. Using the TFP SPACER it is possible to create multi-level cable fasteners.

Available with screw or DIN rail mounting.

## EMC SHIELDING

TMS shield clamps series allow you to easily and effectively ground the shield of cables with the most common fixings: screw, bar, or DIN rail.

The offer is completed by earthing straps and EMC brackets for cable glands, both divisible and non-divisible.



# OUR TECHNOLOGY PARTNER, ONLY PREMIUM ONES.

Over time we have become a **reference partner for the Italian market of international brands**, manufacturers of components for industrial automation.

**Relationships based on competence, trust and shared values** to guarantee customers the best solutions and an excellent service.

Our work is rewarded by our technology partners.



Pushing Performance  
Since 1945



## PARTNERSHIP AWARD



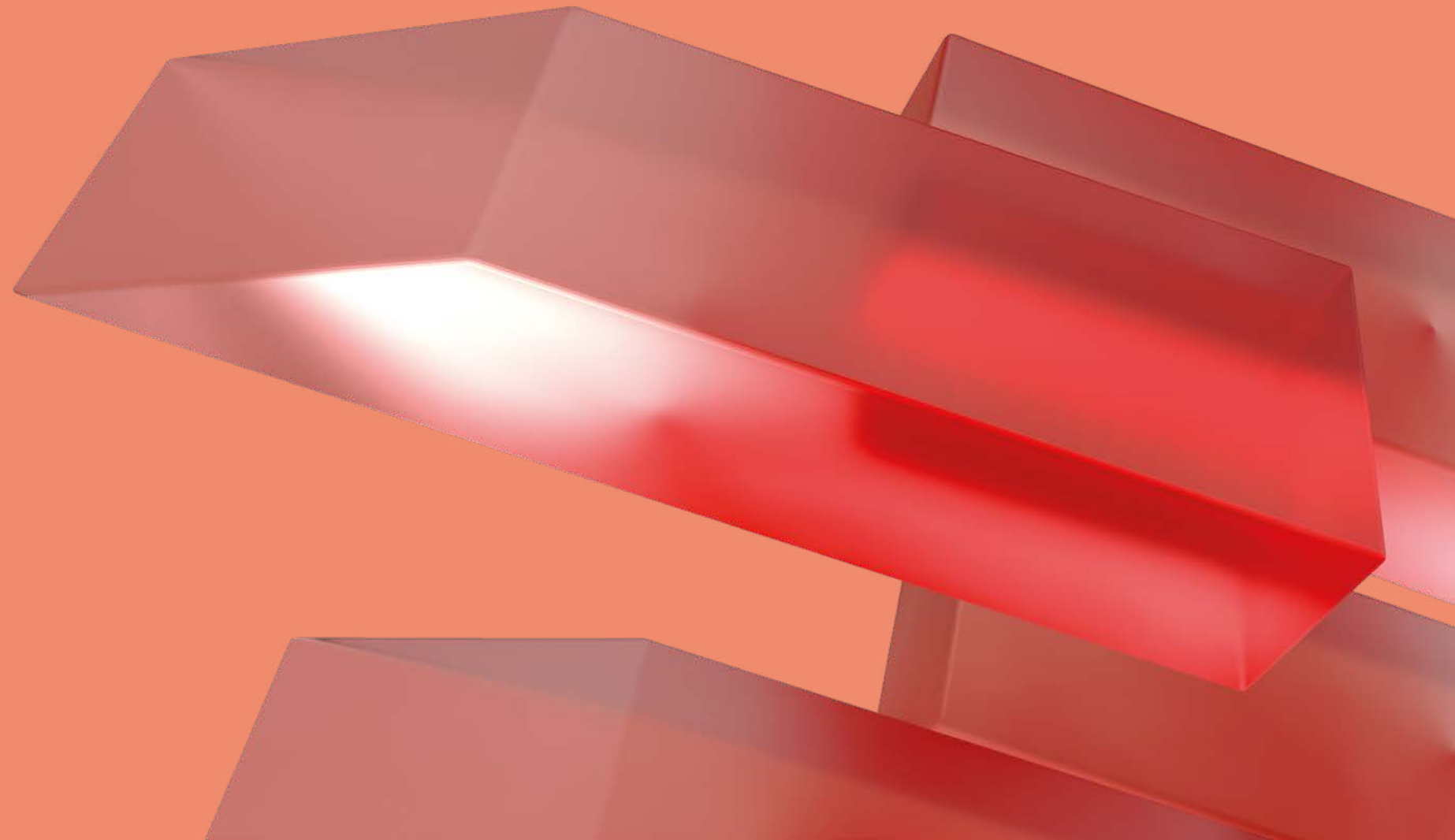


**"I look back at the last 40 years with a mixture of pride and astonishment.**

**TECO team has worked hard, always striving together to serve our customers and partners the best we can.**

**However, today my focus is on the future: our origins and values, together with our dreams and the passion shown by our team make me believe that the best is yet to come."**

Roberto Roversi,  
TECO Founder & President



# BRAND MANIFESTO.

We are **focused on the future**,  
dynamic, expert, supportive

**WE BELIEVE in relationships**  
as a dynamic rapport  
based on *listening* and *discussion*

**WE CULTIVATE technical skills**  
and the ability to *collaborate*  
and *share* goals

**WE CREATE connections**,  
a *network of relationships*  
based on trust, ideas, applications  
and integration systems



**YOU DESIGN,  
WE CONNECT**

**We defined a TASK:**  
to offer projects,  
services and skills  
that will aid our clients  
to **improve and evolve.**

**We are realizing a DREAM:**  
be an active part of  
**cutting-edge projects**  
and contribute to  
**ethical and sustainable**  
social development



## LET'S GET CONNECTED

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