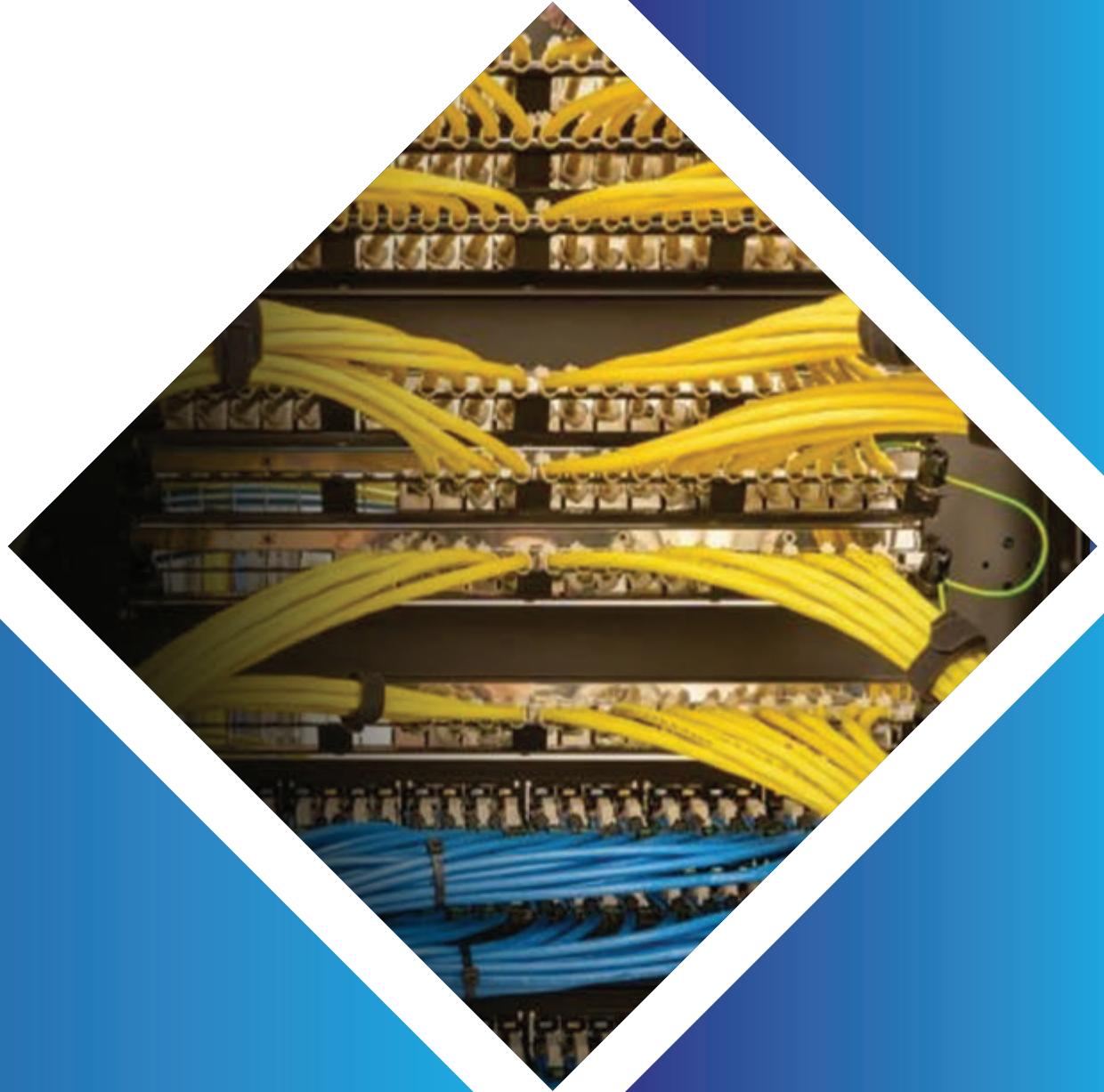




**KASTRO KABLO**

COMPANY PROFILE



# LOW VOLTAGE CABLES



Smart Cables. Strong Connections.





## ABOUT US

Kastro Kablo is a leading manufacturer of premium cables and wiring solutions, serving a wide array of industries including telecommunications, power distribution, construction, electronics, and industrial applications.

With cutting-edge production facilities and a strong focus on innovation, we deliver reliable, durable, and cost-effective cable solutions to clients around the globe. Since our inception, Kastro Kablo has been recognized as a trusted solution partner, consistently providing high-quality products tailored to the evolving needs of our customers.



FOUNDED  
in 2014



HEADQUARTERS  
İSTANBUL / TR



FACTORY  
14,000 M<sup>2</sup> CLOSED AREA  
ÇERKEZKÖY / TEKİRDAĞ



NUMBER OF EMPLOYEES  
100+ PERSONNEL  
20+ ENGINEERS



## MISSION

To design, produce, and deliver high-quality, reliable, and innovative low voltage cable solutions that power industries and communities safely and efficiently. We are committed to customer satisfaction, sustainability, and continuous improvement in everything we do.

## VISION

To be a globally trusted brand in the cable manufacturing industry, leading the way in technology, quality, and environmental responsibility – connecting the future with smart, sustainable, and resilient solutions.

# PRODUCTION

Kastro Kablo operates advanced production lines equipped with the latest technology and managed by a highly skilled technical team.

With a monthly processing capacity of **450** tons, our facilities combine advanced technology with experienced technical teams to ensure reliable performance in every meter of cable produced.

Each stage of production – from raw material entry to final product dispatch – is monitored through an integrated ERP system, ensuring full traceability and compliance with the company's Total Quality Management principles. All electrical, mechanical, and fire performance tests are carried out using calibrated and certified test equipment in accordance with international standards.





## MANUFACTURING CAPABILITIES

**State-of-the-art Production Facilities:** Equipped with advanced machinery for extrusion, stranding, braiding, and sheathing processes.

**Quality Control Systems:** Comprehensive in-house testing labs for mechanical, electrical, and fire resistance properties. Every batch undergoes rigorous quality checks to meet international standards.

**Lean Manufacturing:** Optimized processes to ensure maximum efficiency, minimal waste, and timely delivery.

**Customization:** Tailored cable solutions designed to meet specific customer requirements and industry applications.

# ONLINE PROCESS CONTROL

At Kastro Kablo, precision and consistency are ensured through advanced online process control systems integrated across all production lines.

These systems allow real-time monitoring, measurement, and data logging of key production parameters – guaranteeing that every meter of cable meets the highest standards of quality and performance.



A wide-angle photograph of a large industrial factory. The floor is filled with various pieces of machinery, including large blue and white industrial units, several rows of spools of wire or cable, and stacks of blue plastic crates. The ceiling is high with a complex network of steel beams, pipes, and numerous fluorescent light fixtures. In the background, there are multiple levels of walkways and more industrial equipment. The overall atmosphere is one of a busy, well-lit manufacturing facility.

# PRODUCT GROUPS

# PRODUCT GROUPS

LAN  
CABLES



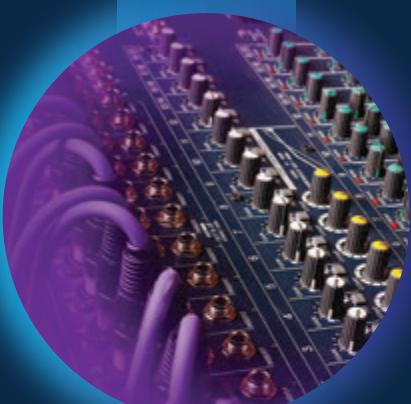
SIGNAL AND  
CONTROL  
CABLES



CONTROL  
CABLES



OTHER  
CABLE TYPES



COMMUNICATION &  
SECURITY



FIRE RESISTANT &  
SILICONE CABLES



INSTRUMENTATION  
CABLES



## LAN CABLES



### REFERENCE STANDARDS

IEC 61156-5 , ISO/IEC 11801 2nd ed EN 50173-1 , ANSI /TIA 568.2-D

- Range from CAT5e to Cat7A+

*Including flexible industrial ethernet cables*

- UTP, FUTP, SFUTP, UFTP, FFTP, SFTP

- Simplex & Dublex Versions

- Sheathing Options: PVC, PE, PUR, LSZH (up to CPR level B2ca)

- Quality verified by Balun-less VNA

# SIGNAL AND CONTROL CABLES



## REFERENCE STANDARDS

DIN VDE 0812

- Insulation Materials ; PVC,PE,HFFR
- Multicore & TP
- Shielded , Unshielded
- SnCu & Al braiding (overall or individual-BP)
- Outer Sheathing: PVC, PE, TPU, HFFR (up to CPR level B2ca)
- 300/500 V , 450/750 V & 0.6/1kV

# CONTROL CABLES

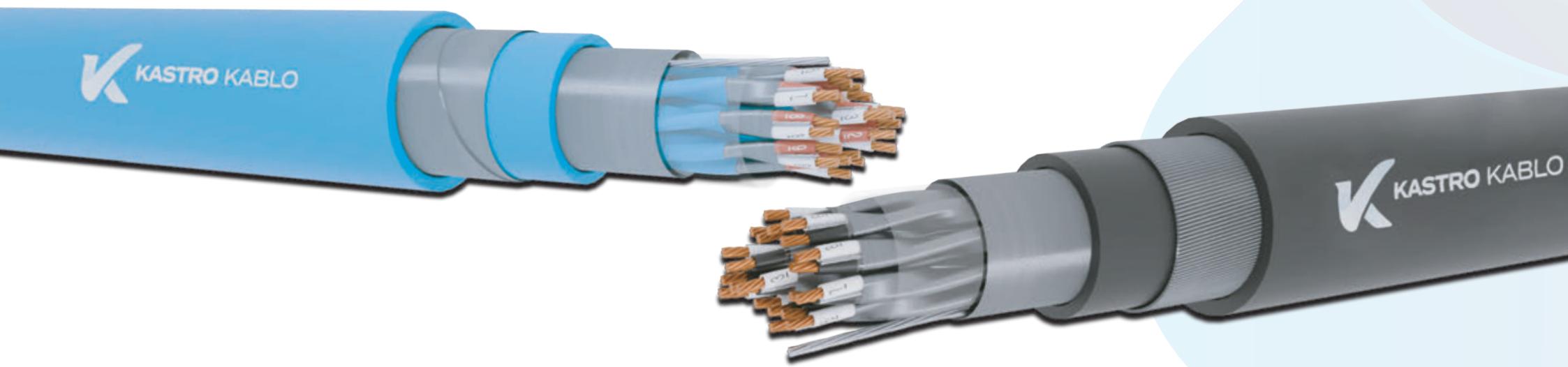


## REFERENCE STANDARDS

EN 50525-2-51

- Insulation Materials ; PVC,PE, XLPE, TPU, TPE, HFFR
- CWB, SWB, STA
- Outer Sheathing: PVC (Oil Resistant), PE, TPU, TPE, HFFR
- (up to CPR level B2ca)
- 300/500 V , 450/750 V & 0.6/1 kV

# INSTRUMENTATION CABLES

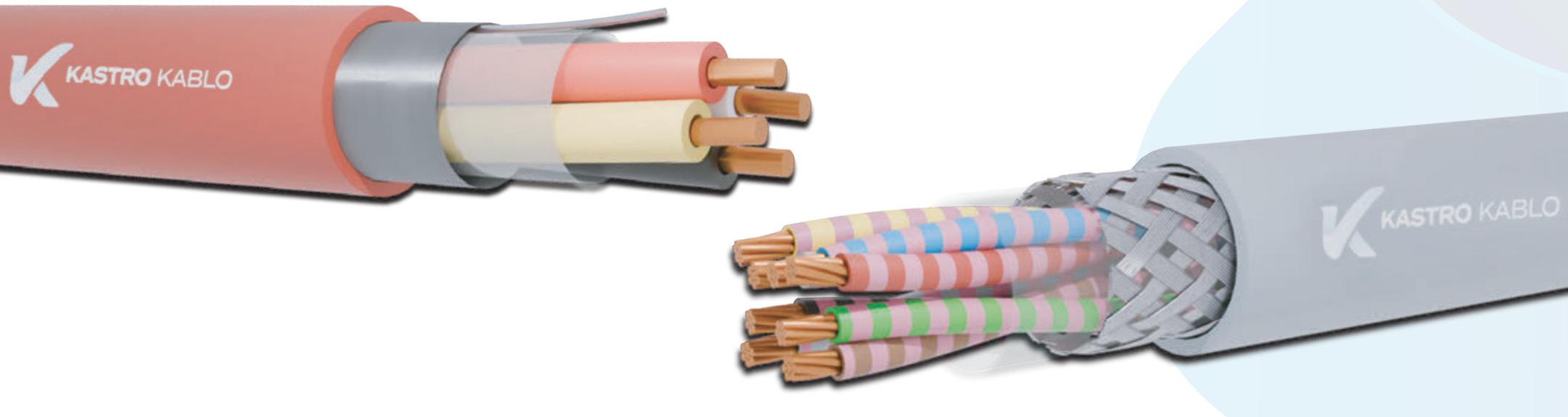


## REFERENCE STANDARDS

EN 50288-7 / PAS 5308 (BS 5308) / NFM 87-202

- Insulation Materials : PVC, PE, XLPE, Silicone
- Multicore, multi-pair, multi-triad/ quad
- Overall & Individual Screening
- Armour: SWA, SWB, STA
- Outer Sheathing: PVC, HFFR
- Oil, Hydrocarbon, UV Resistant
- Cat A to C Flame Retardant, Fire Resistant (FE 180)
- 300 V, 500 V, 0.6/1 kV

# COMMUNICATION & SECURITY

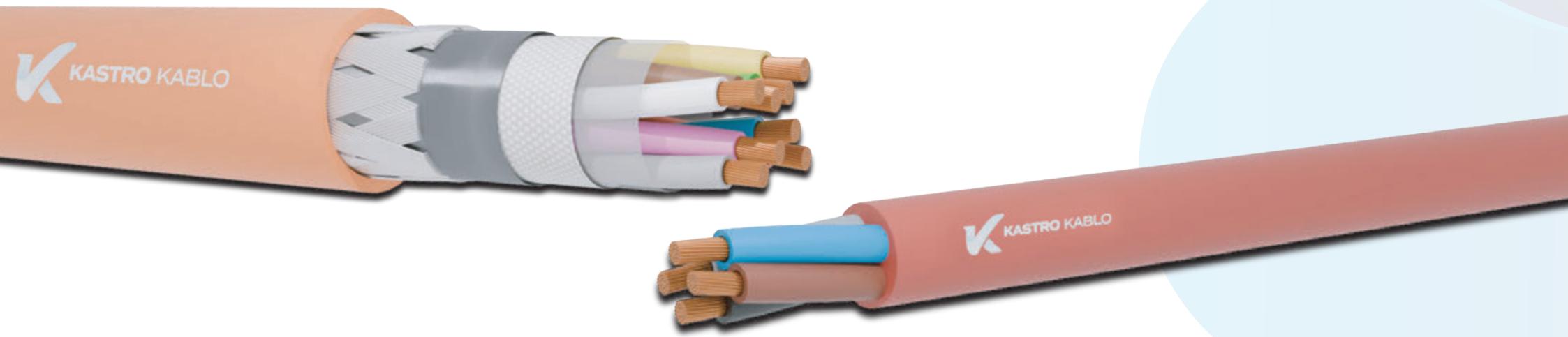


## REFERENCE STANDARDS

DIN VDE 0815

- Insulation Materials : PVC,PE, HFFR
- ...Lg & ... Bd Stranding
- Shielded , Unshielded
- SnCu Braiding
- Outer Sheathing: PVC, PE, HFFR (up to CPR Cca)

# FIRE RESISTANT & SILICONE CABLES

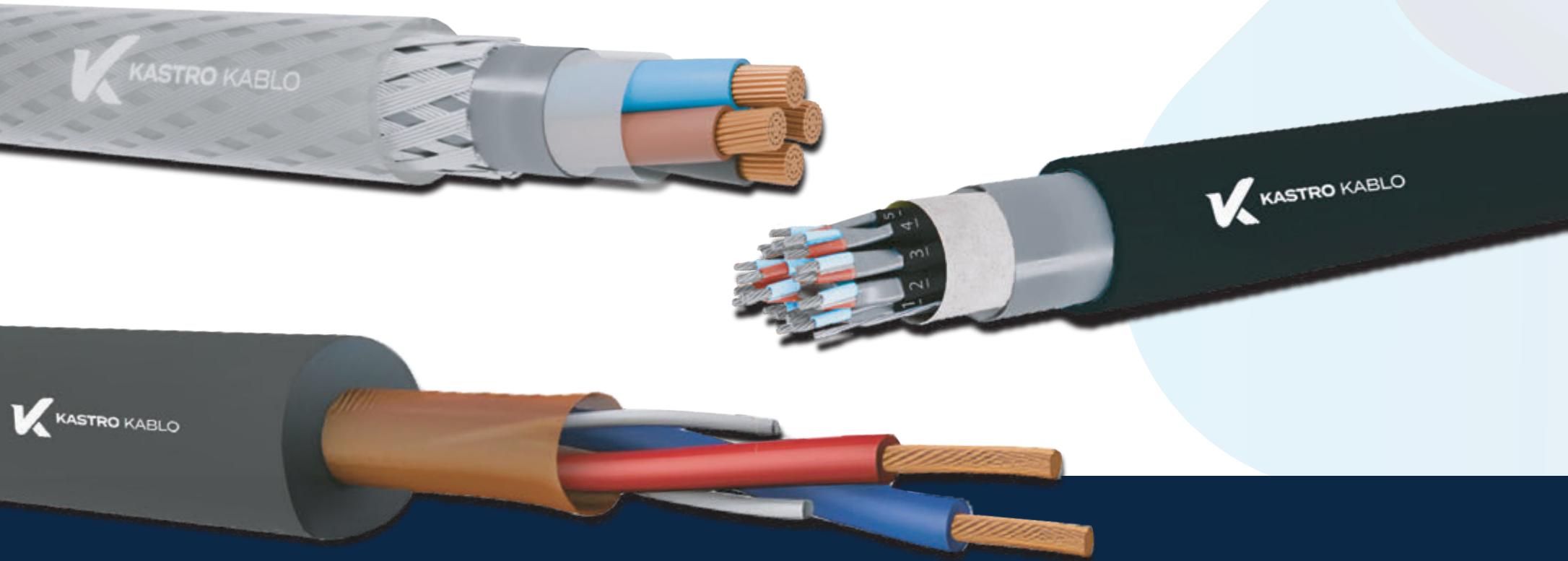


## REFERENCE STANDARDS

DIN VDE 0812 / DIN VDE 0815 / EN 50525-2-83

- Insulation Materials : Silicone, MGT+ HFFR
- Multicore, multi-pair
- Shielded , Unshielded
- SnCu Braiding
- Outer Sheathing: Silicone, HFFR
- FE180, PH120, E30-90

## OTHER CABLE TYPES



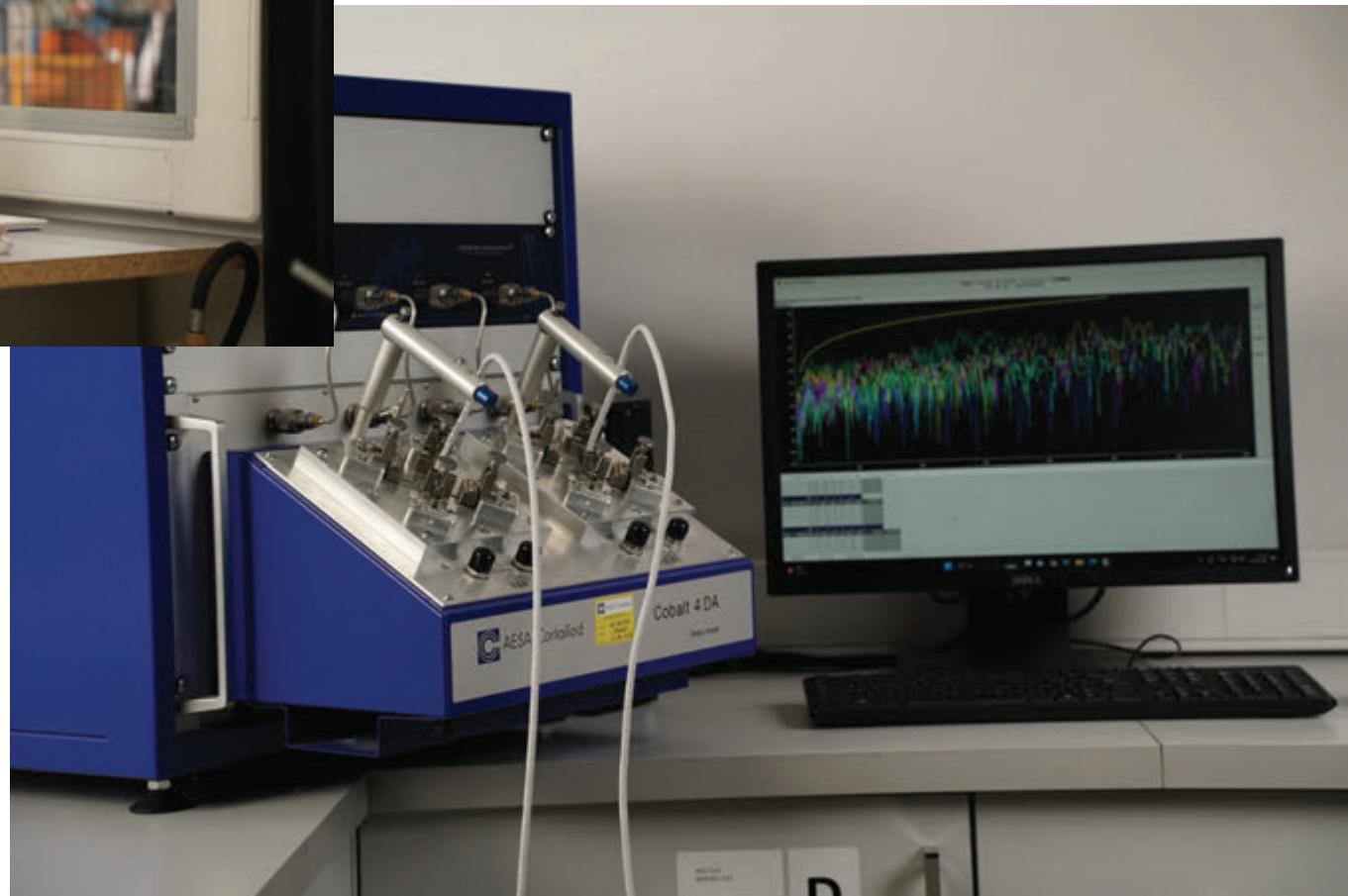
- ATB (Alternative to Belden)
- Servo Motor
- Encoder Cables
- Crane and Festoon Cables
- Robotic Cables
- Coaxial Cables
- Audio - Video Cables



# QUALITY CONTROL

# QUALITY CONTROL

At Kastro Kablo, quality is not just a standard – it is a commitment embedded in every stage of our production process. From raw material inspection to final product delivery, we implement strict quality control protocols to ensure that every cable meets the highest international standards for performance, safety, and durability.



**TESTED FOR  
PERFECTION,  
TRUSTED  
WORLDWIDE**

# ELECTRICAL TESTING LABORATORY

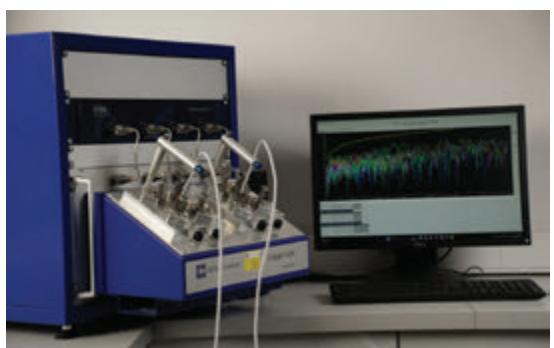
**EN 60228**

Conductors of insulated cables



**IEC 61156-5 & TIA/EIA 568**

Electrical tests for data cables



**EN 50289-1-6**

Electrical test methods -

Electromagnetic performance:  
Shielding attenuation and  
transfer impedance testing



**EN 50289-1-4**

Electrical test methods -  
Insulation resistance



**EN 50289-1-5**

Electrical test methods -  
Capacitance



**EN 50395**

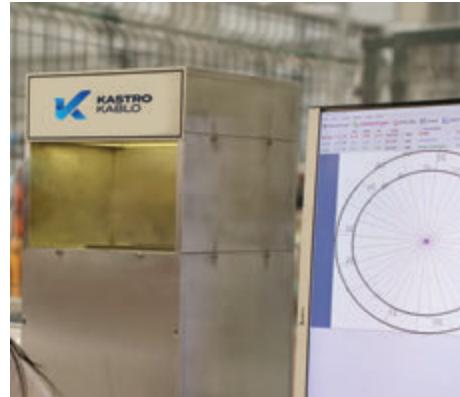
Electrical test methods



# MECHANICAL TESTING LABORATORY

## IEC / EN 60811-201/202/203

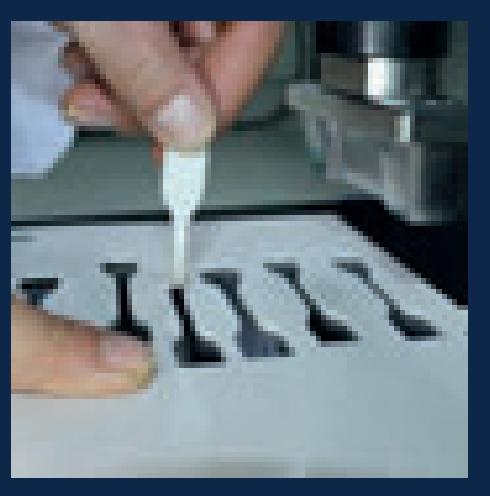
Measurement of insulation thickness, measurement of non-metallic sheath thickness, measurement of external dimensions



## IEC / EN 60811-501

Tests for determining the mechanical properties of insulation and sheathing components

Test sample preparation



## IEC / EN 60811-501

Tests for determining the mechanical properties of insulation and sheathing components



## IEC / EN 60811-401

Heat aging methods  
Ageing in weather studies



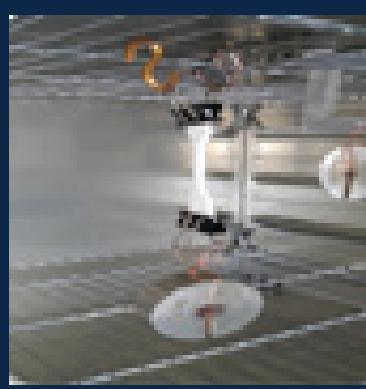
## IEC / EN 60811-508

High temperature pressure test for insulation and sheathing



## IEC / EN 60811-507

Hot tensile test for cross-linked materials



## IEC / EN 60811-504

Bending teste at low temperature



# CHEMICAL TESTING LABORATORY

**EN 60754-1**

Determination of halogen acid gas content



**EN 60754-2**

Determination of acidity and conductivity  
(with pH measurement)

# FIRE PERFORMANCE TEST LABORATORY

## TS EN 50200

Test method for fire resistance of unprotected small-sized cables used in emergency circuits



## TS EN 60332-1-2

Vertical flame propagation test for a single insulated wire or cable



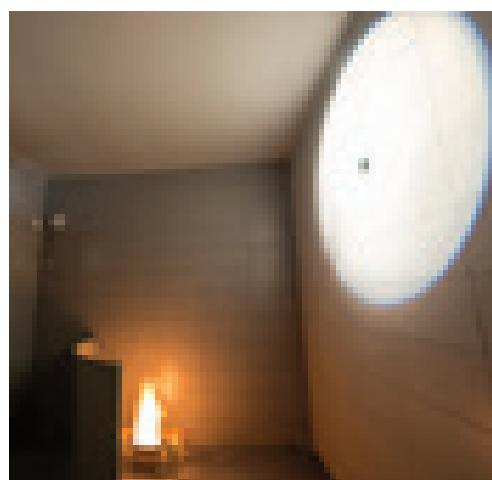
## BS 6387 Category W

Circuit Integrity Test (Flame + Water Resistance)



## TS EN 61034-2

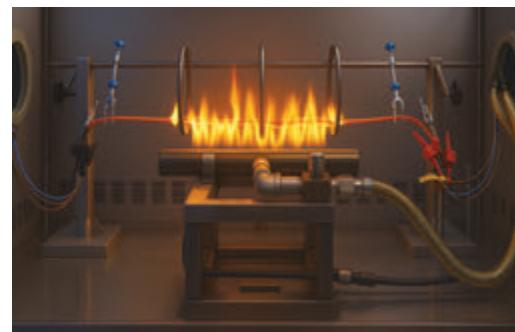
Measurement of smoke density of burning cables under certain conditions



## TS IEC 60331-21/23

Tests for electrical cables under fire conditions - Circuit Integrity - Rated voltage

Cables up to and including 0.6/1 kV



## BS 6387 Category C

Circuit Integrity Test (Flame Resistance Only)



## TSE EN IEC 60332-3-.22...25

Vertical flame propagation test of vertically mounted bundled wires or cables (Category A, B, C, D)



## BS 6387 Category Z

Circuit Integrity Test (Flame + Mechanical Shock Resistance)



# CPR TEST LABORATORY

## TS EN 50399

Measurement of heat released and smoke generated from cables during flame spread testing



Parameters Measured During the TS EN 50399 Test

FS: Flame Spread

HRR: Heat Release Rate

THR: Total Heat Release

SPR: Smoke Production Rate

TSP: Total Smoke Production

FIGRA: Fire Growth Rate Index

FD: Flame Droplets

# CPR AND CABLES

The Construction Products Regulation (CPR), established by the European Union, defines essential safety, performance, and environmental requirements for all construction materials used within the EU market.

For electrical cables, the regulation ensures that products installed in buildings and infrastructure comply with strict fire safety and performance criteria, verified through standardized testing and supported by a Declaration of Performance (DoP) and CE marking.

## CPR Compliance at Kastro Kablo

At Kastro Kablo, we are fully committed to the principles of the CPR – safety, quality, environmental protection, and sustainability.

Our product portfolio includes a wide range of CPR-compliant low-voltage and communication cables, tested and classified according to EN 50575 and related European standards for reaction-to-fire performance and release of hazardous substances.

## In-House CPR Laboratory

Kastro Kablo is one of the few manufacturers in its segment to operate a dedicated in-house CPR testing laboratory.

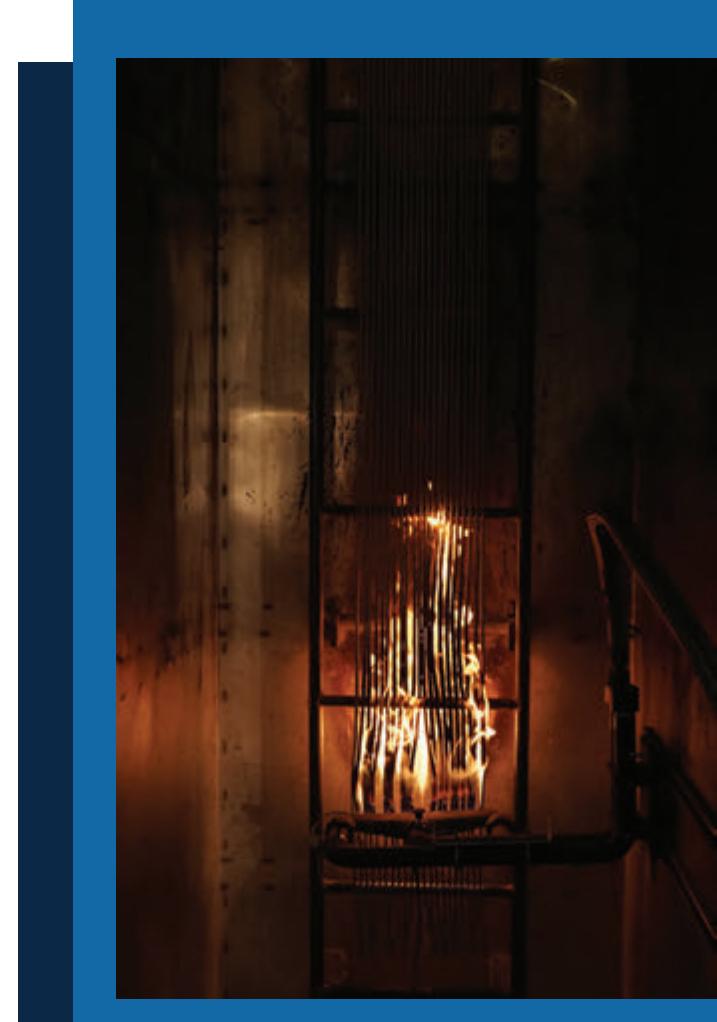
Equipped with advanced testing systems for EN 60332-1-2, EN 50399, and EN 61034 standards, this facility allows us to:

Continuously monitor product performance during development and production,

Accelerate the certification process for new cable designs, rapidly adapt to changes in EU regulations and client specifications,

Validate the fire behavior of cables before submission to Notified Bodies.

This capability enables faster innovation cycles, enhanced reliability, and complete traceability of every CPR-certified product.



# PRODUCT LIABILITY INSURANCE

At Kastro Kablo, we take product safety and customer protection seriously. To ensure full confidence in the reliability of our products, we maintain a Product Liability Insurance policy underwritten by Zurich Insurance.

This policy provides coverage up to 5 million USD, safeguarding our customers and partners against any potential damages or losses that may arise from product performance or manufacturing defects.

Our insurance coverage reflects our long-standing commitment to quality, compliance, and responsibility, offering peace of mind throughout the entire lifecycle of our cables.



# MARKET SHARES

**%85**  
EXPORT

**%15**  
DOMESTIC

24



**KASTRO KABLO**

# GLOBAL PRESENCE & EXPORT

CONNECTING THE WORLD WITH TRUSTED CABLE SOLUTIONS

We serve clients in over 43 countries across South America, Europe, Asia, Africa, and the Middle East & Australia. Our global distribution network and efficient supply chain ensure timely delivery to customers around the world.

## WHY CHOOSE US:

**Quality Assurance:** All products are manufactured to the highest standards, ensuring performance and safety.

**Industry Expertise:** Decades of experience in cable manufacturing across multiple sectors.

**Customer-Centric:** We focus on building long-term relationships with clients by providing customized solutions and excellent customer service.

**On-time Delivery:** Streamlined production processes and strong logistics ensure timely delivery of products.

**Sustainability:** Commitment to environmentally responsible manufacturing and product innovation.

**Global Reach:** Serving clients in over 43 countries worldwide.

Our flexible and experienced logistics team ensures smooth and reliable deliveries under all

# PACKAGING



WOODEN  
DRUM



PLYWOOD  
REEL



PLASTIC  
SPOOL



CARDBOARD  
BOX



RIB (REEL-IN BOX)



PALLETIZATION

# QUALITY & CERTIFICATIONS

At Kastro Kablo, quality is non-negotiable. Our facilities are certified according to the highest international standards, ensuring consistent performance and compliance in every meter of cable we produce.

## QUALITY ASSURED. STANDARDS VERIFIED



ISO 9001  
Quality Management System

ISO 14001  
Environmental Management System

ISO 45001  
Occupational Health & Safety

- CE, REACH and RoHS Compliant Products
- TÜV, ETL, TSE, EAC, VDE and other third-party approvals



- Compliance with international regulatory standards. IEC, EN, BS, UL, NF and CSA.



CPR Classification: B2ca, Cca, Dca and Eca.



# INTEGRATED MANAGEMENT SYSTEMS POLICY (IMS)

## INTEGRATED MANAGEMENT SYSTEM POLICY

As Kastro Kablo, we commit to fulfilling our responsibilities towards all our stakeholders by adhering to national and international standards in the production of low-voltage cables, and by acting in accordance with the principles of quality, environment, occupational health and safety, and social responsibility.

### 1. Quality Management System

- With our innovative approach, we aim to be a leading company that produces today's products using the technology of the future.
- We conduct our processes in line with our objectives to maintain the highest level of customer satisfaction, and review them periodically.
- We carry out continuous improvement activities to enhance product and process quality.
- We measure the effectiveness of our internal audits and management system, and monitor our quality performance.

### 2. Environmental Management System

- We consider the protection of the environment as a fundamental responsibility.
- We take all necessary measures to prevent pollution at every stage of production.
- We plan and manage activities to ensure efficient use of natural resources, waste minimization, and recycling.
- We identify environmental impacts arising from climate change and develop action plans accordingly.
- We comply with all relevant environmental laws and obligations.

### 3. Occupational Health and Safety (OHS) Management System

- The protection of our employees' health and safety is our top priority.
- We implement and continuously improve our OHS performance in accordance with the ISO 45001:2018 standard.
- We systematically work to eliminate or minimize risks by identifying potential hazards.
- We raise awareness among our employees through regular training and encourage participation.
- We develop preventive measures to ensure that no accidents occur in the workplace.

### 4. Social Responsibility

- Our core principles are based on human rights, justice, and ethical values.
- We do not tolerate any form of discrimination such as language, religion, race, or gender.
- We ensure that no forced or child labor is employed.
- We expect our business partners and suppliers to share the same principles of fairness and ethics.
- We fulfill our responsibilities towards society and the environment, supporting sustainable development.



## ISO 9001

Quality Management System  
Certificate



## ISO 14001

Environmental Management System  
Certificate



## ISO 45001

Occupational Health and Safety  
Management System Certificate

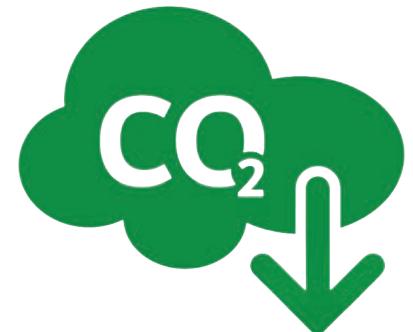
# PRODUCT CERTIFICATES



# SUSTAINABILITY & ENVIRONMENTAL RESPONSIBILITY

We recognize our responsibility to the planet and future generations. Our sustainability strategy focuses on energy efficiency, resource optimization, and reducing carbon emissions throughout our operations.

- Energy-efficient production lines and recycling initiatives
- Environmental Product Declarations (EPD) for key product groups
- Use of recyclable and eco-friendly packaging
- Solar energy integration at our factory



## LIFE CYCLE ASSESSMENT (LCA)

We conduct Life Cycle Assessments (LCA) to understand the full environmental impact of our products – from raw materials to disposal. This data-driven approach enables us to identify opportunities for improvement and offer our customers more sustainable cable solutions.

- LCA data available upon request
- Integration with customer sustainability goals
- Basis for Environmental Product Declarations (EPDs)



# CSR - BUILDING A BETTER FUTURE

At Kastro Kablo, we believe business success goes hand in hand with social responsibility. We actively support our employees, community, and partners through:

- Ethical labor practices and worker safety
- Skills training and educational programs
- Community involvement and donations
- Diversity, inclusion, and equal opportunity policies



# APPLICATION AREAS



Construction Projects



Infrastructure Projects



Telecom Solutions



Heavy Industry



Oil, Gas & Petrochemical



Power Plants



Mining



Renewable Energy



Automation Systems



Transportation



Ship Building & Off-Shore



Machine Building

PRODUCT  
CATALOGUE





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