



---

## Company Profile

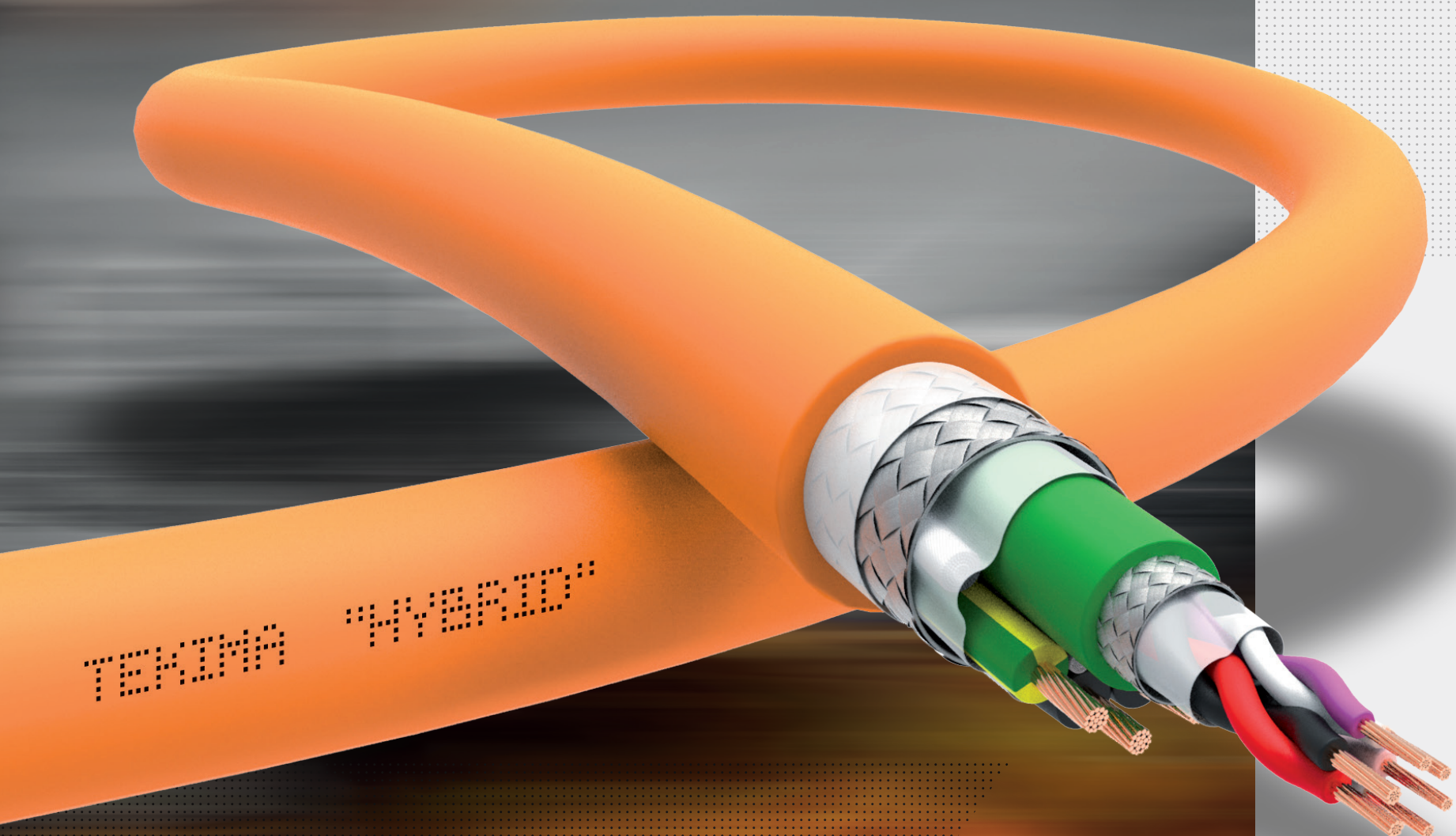
---

[www.tekima.com](http://www.tekima.com)

---

ENG

# INDUSTRIAL AUTOMATION SOLUTIONS



## The Company

Tekima is a manufacturer of **industrial cables**.

The offer is completed with **field-installed** components and **wiring products**.

The products are exportable all over the world and they are built in compliance with European, North-American and Canadian Standards.

Tekima has its headquarter in Italy and branches in United States and Singapore.



[www.tekima.com/video-en/corporate](http://www.tekima.com/video-en/corporate)





## Team

A company is made up of people, ours are special.



## The Sectors

Products suitable for several applications.

			
Aerospace	HVAC	Automotive	Construction equipment
			
Electronics Electromechanics	Robotics	Food and Beverage	Healthcare Pharmaceutical
			
Marine and Offshore	Oil and gas	Packaging	Printing
			
		Railways	Renewable energy



[www.tekima.com/en/team](http://www.tekima.com/en/team)

## Code of Ethics

The Company shares its rights and privileges with the people of the Tekima world, as we remember the journey we have undertaken and the Company's commitments to employees, collaborators, customers and suppliers. You will find our Code of Ethics on our website.





## References

We cooperate with international groups in projects **all over the world.**



## Expertise

Every year we integrate our range with products concerning different regulatory areas such as **NFPA79, NFPA 70 (NEC), UL508a, CSA C22.1, CSA C22.2 No. 286.**

We support the customer to choose the most suitable solution in relation to the specific application and in full compliance with technical and regulatory requirements.



To learn more about specific cases and applications, go to the dedicated section of our website.



[www.tekima.com/en/tekima-in-the-world](http://www.tekima.com/en/tekima-in-the-world)



[www.tekima.com/video-en/training](http://www.tekima.com/video-en/training)



We share our requirements, technical solutions, commercial, experiences and references of applications and installations with over **700 professionals** every single year.

Our conferences have become events. The participation of public is growing year by year.



## System certifications

As confirmation of our commitment to serve the North American market, we have obtained ISO 9001 certification from DQS and UL Underwriters Laboratories.



## Processed Wire certifications

The manufacturing process is guaranteed by UL Underwriters Laboratories **Processed Wire** certification (File #E466306). It includes both UL recognized and UL Listed destined for US and Canadian markets.

## Product certifications

Tekima offers products with international certifications including “Appliance Wiring Material”, “Communications Cable”, “Flexible Cord”, “Machine-tool Wire”, “Power and Control Tray Cable”, “Marking and Labeling Systems”, “Flexible Motor Supply Cable”, “Industrial Control Panels”, “Luminaires”.



[www.tekima.com/video-en/certifications](http://www.tekima.com/video-en/certifications)



File # E314444  
File # E484123



File # E484123  
File # MH60136



File # E361258  
File # E514001  
File # E361260



File # E361258  
File # E514001



File # 265572



200017226UDI



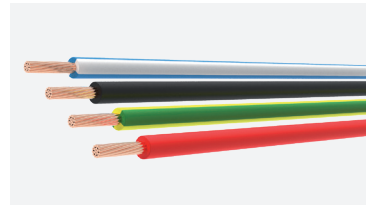
200017226UDI



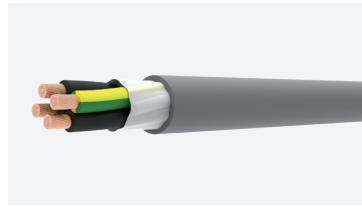




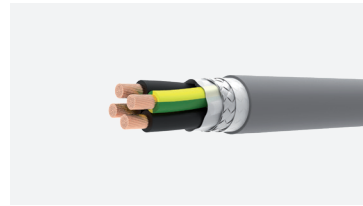
### Industrial cables



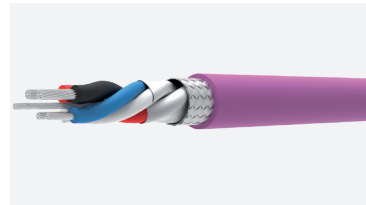
Single core cables



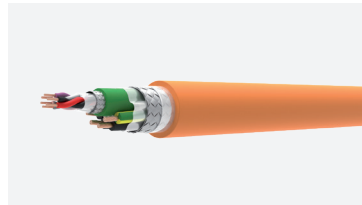
Fixed application cables



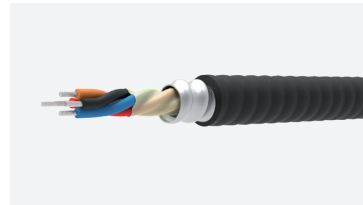
Dynamic application cables



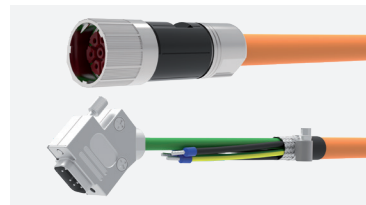
Data transmission cables



Multi-conductor "Hybrid" cables



"Made in USA" Listed Cables



"Contek" connectorized cables



Fittings and cable entry systems



### Wiring products



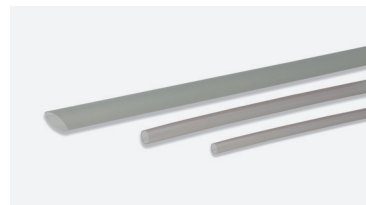
Cable ties



Heat shrinkable tubings



Heat shrinkable tubings with adhesive



High-temperature heat shrinkable tubings



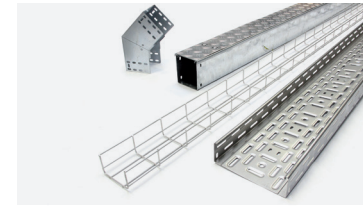
Heat shrinkable moulded shapes



Non-shrinkable tubings



### Field-installed components



Cable tray systems



Rigid metal tubings and conduits



Reinforced conduits



Corrugated conduits



Arc-Flash Relays



Fuses and fuseholders



Voltage indicators and voltage test stations



Panel interface, plugs, receptacles



Cabinet lights and luminaries



Safety Labels

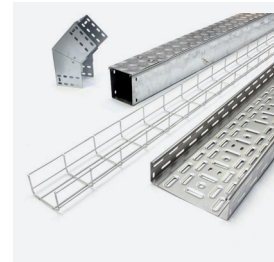




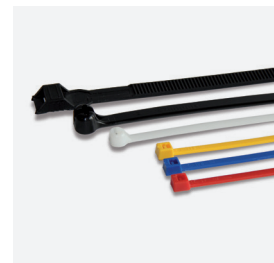
www.tekima.com/video-en/3dplant

All rights reserved © Tekima S.r.l.

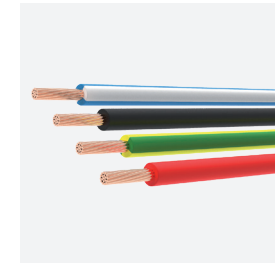
All rights reserved © Tekima S.r.l.



Cable tray systems



Cable ties



Single core cables



Fuses and fuseholders



Heat shrinkable tubings



Non-shrinkable tubings



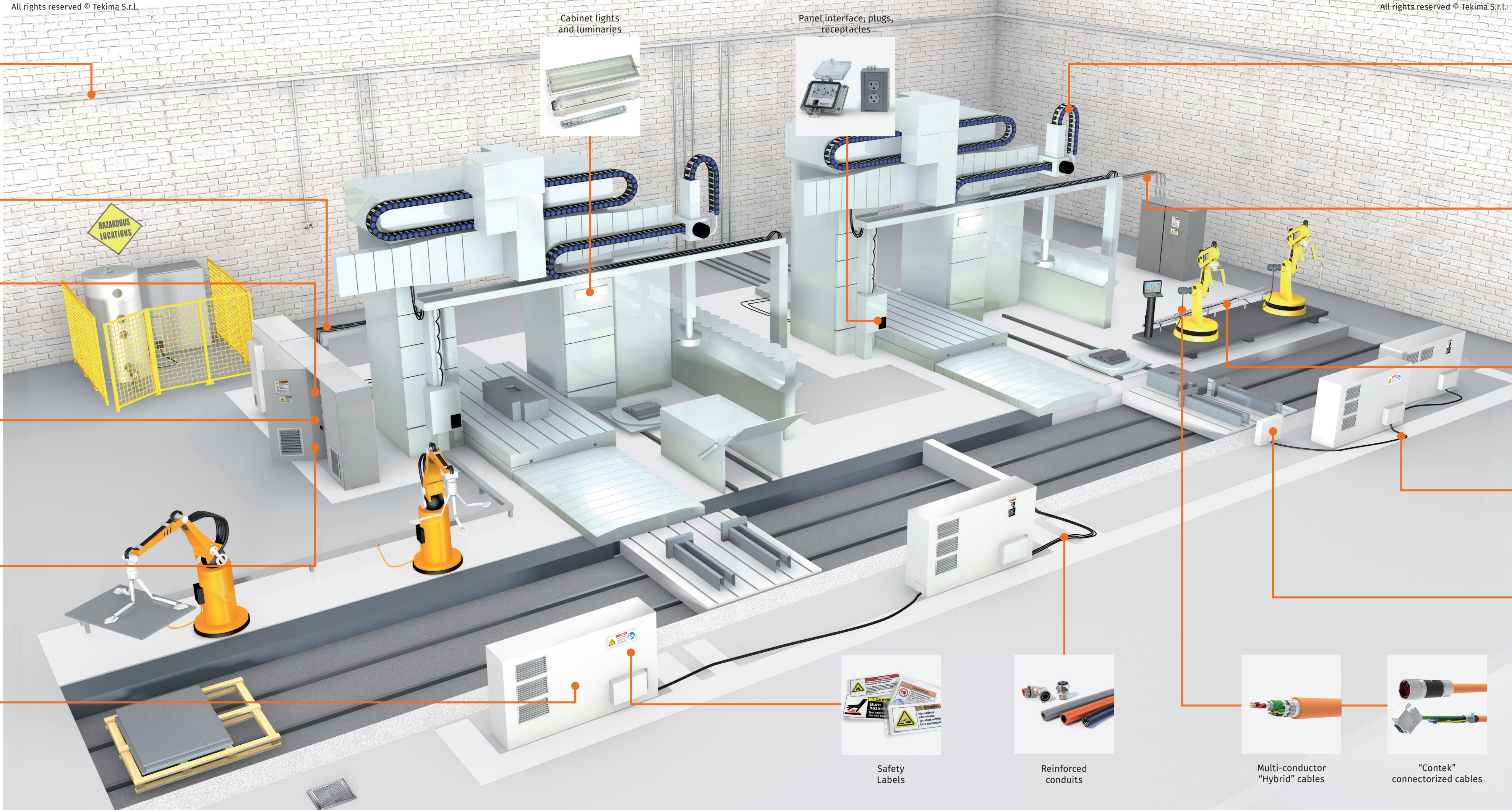
Arc-Flash Relays



Voltage indicators and voltage test stations

**UL 508a. Industrial Control Panels.** These requirements cover industrial control panels intended for general industrial use, operating from a voltage of 600 volts or less. This equipment consists of assemblies of two or more power circuit components, such as motor controllers, overload relays, fused disconnect switches, and circuit breakers, or control circuit components, such as pushbuttons, pilot lights, selector switches, timers, and control relays, or a combination of power and control circuit components, with associated wiring, and terminals. These components are mounted on, or contained within, an enclosure, or are mounted on a sub-panel.

**C22.2 No. 286. Industrial control panels and assemblies.** This Standard applies to control panels and assemblies rated at not more than 1500 V, intended to be installed and used in non-hazardous locations in accordance with the rules of the Canadian Electrical Code, Part I.



Cabinet lights and luminaries



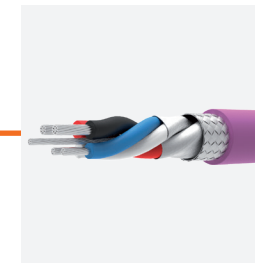
Panel interface, plugs, receptacles



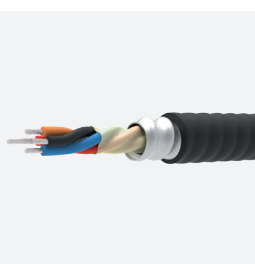
Dynamic application cables



Rigid metal tubings and conduits



Data transmission cables



"Made in USA" Listed Cables



Corrugated conduits



Fixed application cables



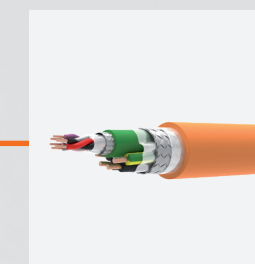
Fittings and cable entry systems



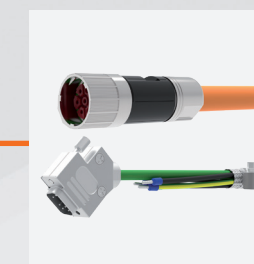
Safety Labels



Reinforced conduits



Multi-conductor "Hybrid" cables



"Contek" connectorized cables

**NFPA 79. Electrical Standard for Industrial Machinery.** The provisions of this standard shall apply to the electrical/electronic equipment, apparatus, or systems of industrial machines operating from a nominal voltage of 600 volts or less, and commencing at the point of connection of the supply circuit conductors to the electrical equipment of the machine.

**C22.2 No. 301. Industrial electrical machinery.** This Standard is intended to specify the applicable electrical requirements for industrial machinery needed to satisfy the electrical installation codes and practices for Canada. This Standard is intended to be used in conjunction with the Canadian Electrical Code, Part I where all mandatory installation requirements for Canada are specified.

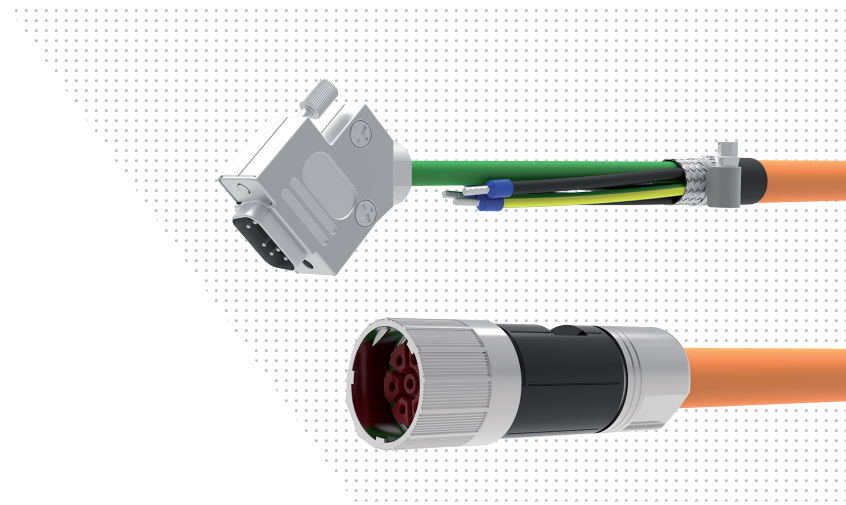
**NFPA 70. National Electrical Code.** This code covers the installation of electrical work and electrical equipment, and raceways; signaling and communications conductors, equipment, and raceways; and optical fiber cables and raceways for public and private premises, including buildings, structures, and industrial substations. Installations of conductors and equipment that connect to the supply of electricity. Installations used by the electric utility, such as office buildings, warehouses, garages that are not an integral part of a generating plant, substation, or control center.

**C22.1. Canadian Electrical Code.** This Code applies to all electrical work and electrical equipment operating or intended to operate at all voltages in electrical installations for buildings, structures, and premises, including factory-built relocatable and non-relocatable structures, and self-propelled marine vessels stationary for periods exceeding five months and connected to a shore supply of electricity continuously or from time to time.



## Hybrid according to Tekima

Communication and integrated power now in a single pre-connectorized cable, "Contek".



Receive the certified, pre-connectorized product, already tested and ready to be installed as per your specifications.

- Connectors compatible with the most used motors and drives.
- Custom configurations based on your applications.
- Certified quality of all components.
- 100% tested.
- Fast delivery.

## Guaranteed compatibility

Siemens  
B&R  
Control Techniques  
Sew Eurodrive  
Schneider Electric  
Beckoff  
Bosch Rexroth  
Rockwell Automation



[www.tekima.com/en/contek](http://www.tekima.com/en/contek)



## Simplicity and service according to Tekima.

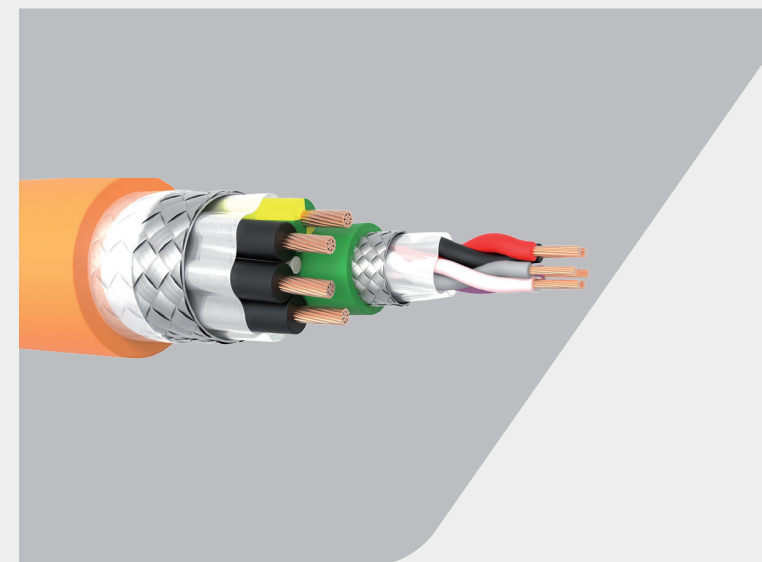
We develop the product you need, by customising it and offering a unique and exclusive cut-to-size service.

We develop product kits for you, ready for installation. All you have to do is opening the pack and start wiring.

## Product 360

### Product development

The cable, the heat-shrinkable tubings of the safety label you need, as per your specifications.



[360@tekima.com](mailto:360@tekima.com) for your bespoke solution

## Kit 360

### Simplicity cut to size for you

Kit of cut-to-size, identified and packaged products to wire your machine directly.



[www.tekima.com/video-en/tekima360](http://www.tekima.com/video-en/tekima360)





**DIMENSIONS** Search..

Number of results: 46 Results per page: 10

Number of cores: 4

Number of pairs: Example: 2

Cross section [mm2]: 2,5

Cross section [AWG/kcmil]: All

Color of conductors: All

Cable diameter [mm]: 8,2

Multi group cables only

**FEATURES** +

**USE** +

**CV04G250\_01000\_GR**

Series: TEKIMA 100 "Flextek"  
Designation: TEKIMA 100 "Flextek" - 4G2,5 mm2 - 450/750 V  
Application: Power and control  
Use: Fixed and occasional flexing applications  
Approvals: CE, CPR  
Technical datasheet: [Download catalog datasheet](#)

**CV04G250\_01000\_NE**

Series: TEKIMA 100 "Flextek Black"  
Designation: TEKIMA 100 "Flextek Black" - 4G2,5 mm2 - 450/750 V  
Application: Power and control  
Use: Fixed and occasional flexing applications  
Approvals: CE, CPR  
Technical datasheet: [Download catalog datasheet](#)

[Go to detail](#)



**FEATURES** Search..

Number of results: 110 Results per page: 10

Type: Heat shrinkable tubings

Typical applications: All

Material: All

Adhesive: All

Halogen free: All

Color: All

Package: All

**DSCFB.0254BANE**

Designation: Heat shrinkable tubing 2:1, (1") 25,4/12,7 mm  
Color: **Black**  
Packaging: L=50m  
Flame resistance: **Self-extinguishing**  
Approvals: **UL, CSA**  
Technical datasheet: [Download catalog datasheet](#)

**DSCPX876.0254BAAR**

Designation: Heat shrinkable tubing 2:1, (1") 25,4/12,7 mm  
Color: **Orange**  
Packaging: L=50m  
Flame resistance: **Self-extinguishing**  
Approvals: **UL, CSA, MilSpec**  
Technical datasheet: [Download catalog datasheet](#)

[Go to detail](#)



**FEATURES** Search..

Number of results: 12 Results per page: 12

Category: All

Risk level: All

Material: All

Version: All

**RESEARCH**

Research method: Search for single words

**ARRANGEMENT**

Order by: Newer

**TK.LB.W0340S.AEC**

**WARNING**  
High pressure clamp/carriage can cause severe crushing injury. Do not operate with guard removed.

Version: Small  
Risk level: Warning  
Material: PVC base with adhesive liner and protective layer

[Go to detail](#)

**TK.LB.W0210S.AEC**

**WARNING**  
UV LIGHT.  
Do not look directly at light.

Version: Small  
Risk level: Warning  
Material: PVC base with adhesive liner and protective layer

[Go to detail](#)

**TK.LB.W0090S.AEC**

**WARNING**  
Blade hazard. Keep hands clear. Follow lockout procedure before servicing.

Version: Small  
Risk level: Warning  
Material: PVC base with adhesive liner and protective layer

[Go to detail](#)

**TK.LB.D0580S.AEC**

**DANGER**  
Impact hazard.

Version: Small  
Risk level: Danger  
Material: PVC base with adhesive liner and protective layer

[Go to detail](#)

**TK.LB.D0570S.AEC**

**DANGER**  
Magnetic field. Pacemaker wearers are not allowed in this area.

Version: Small  
Risk level: Danger  
Material: PVC base with adhesive liner and protective layer

[Go to detail](#)

**TK.LB.D0560S.AEC**

**DANGER**  
Stay clear. Unauthorized personnel should not access when the rotating components are in operation.

Version: Small  
Risk level: Danger  
Material: PVC base with adhesive liner and protective layer

[Go to detail](#)

**TK.LB.D0530S.AEC**

**DANGER**  
Keep hands clear. Lockout/tagout before servicing.

Version: Small  
Risk level: Danger  
Material: PVC base with adhesive liner and protective layer

[Go to detail](#)

**TK.LB.C0290S.AEC**

**CAUTION**  
Falling objects.

Version: Small  
Risk level: Caution  
Material: PVC base with adhesive liner and protective layer

[Go to detail](#)



Solvtek simplifies the sizing and the selections of conductors, cables, heat-shrinkable tubings and conduits.

Is it possible to calculate:

- the **section**, the **voltage drop**, the **maximum length**, the **maximum load** of conductors;
- the diameter of **cables'bundle**;
- the dimensions of the most suitable heat-shrinkable tubing;
- **the size of the raceways** or **the cable trays**;
- the **distance of the supports**;

and finally, it is possible to validate intrinsically safe systems.

## Software CAD/CAE

For your design you can find Tekima within the most widely used CAD/CAE software in the world.



[www.tekima.com/en/eplan](http://www.tekima.com/en/eplan)



[www.tekima.com/en/spac](http://www.tekima.com/en/spac)



[www.tekima.com/en/wscad](http://www.tekima.com/en/wscad)



[www.tekima.com/en/ige+xao](http://www.tekima.com/en/ige+xao)



[www.tekima.com/en/electrographics](http://www.tekima.com/en/electrographics)



[www.tekima.com/en/sabik](http://www.tekima.com/en/sabik)

Sign up and start using Solvtek.



For assistance and further information on how Solvtek can help you in your work visit the dedicated page.

[www.tekima.com/video-en/solvtek](http://www.tekima.com/video-en/solvtek)

**Utility 2 - Sizing of conductors according to NFPA 70**

This utility allows you to calculate the size of the conductor (in AWG or in kcmil) and the nominal and maximum current according to the NFPA 70 (NEC) standard.

Standard reference: NFPA70 (NEC) 66.2023

Number of conductors: 4

Maximum current requested [A]: 45

Do not apply derating factor due to the number of conductors:

Increase the full-load by ... [%]: 0

Ambient temperature [°C]: 50

Conductor/component temperature [°C]: 90

Home Calculate

**Results**

Nominal conductor's current: 20,0 A

Maximum conductor's current: 45,2 A

Calculated conductor: 8 AWG (13,3 mm<sup>2</sup>)

NOTE: Refer to chapter 310 of the NFPA 70 (NEC) standard for further information related to any other requirements of the conductor size. The calculation refers only to copper conductors. The image of the cable is purely indicative.

**Utility 9 - Raceways selection**

This utility allows you to find the right raceway based on the requirements of the NFPA 70 (NEC) or NFPA79 standards.

Standard reference: NFPA70 (NEC) 66.2023

Raceway has a length less than 600 mm (24 inch):

Type of raceway: LMC C (High Line)

Cable diameter [mm]: 5

Cable quantity: 2

Cable diameter [mm]: 4

Cable quantity: 8

Home Calculate

**Results**

Total number of cables: 16

Total section of cables: 130,4 mm<sup>2</sup>

Maximum filling ratio of the raceway: 44 %

Nominal size of the raceway: 22

Internal cross section of the raceway: 136,70 mm<sup>2</sup>

Actual filling ratio of the raceway: 37,31 %

NOTE: Refer to article 13.5 of the NFPA 79 standard and to chapter 9 of the NFPA 70 (NEC) for further information. The images are purely indicative.







Commitment, persistence and willpower are the characteristics that our company has in common with the world of sport.

For years we have been involved on an international level, with our teams and athletes, in sports such as:

Enduro motorcycling

Motorcycle Racing

Parachuting

Sailing

Triathlon

Golf

Snowboard



[www.tekima.com/en/tekima-and-sports](http://www.tekima.com/en/tekima-and-sports)





**Headquarters**

**Tekima S.r.l.**  
Via Carlo Signaroli, 3  
25010 Borgosatollo  
Brescia - Italia  
Tel. +39 030 7288000

**USA Branch**

**Tekima North America, Inc.**  
952 South Dorset Road  
Troy  
Ohio 45373  
Tel. +1 937 8004398

**APAC Branch**

**Tekima Asia Pacific Pte. Ltd.**  
30 Cecil Street  
#19-08 Prudential Tower  
049712 Singapore  
Tel. +65 3125 1130

**[www.tekima.com](http://www.tekima.com)**



[tekima.com/IT](http://tekima.com/IT)



[tekima.com/EN](http://tekima.com/EN)



[tekima.com/DE](http://tekima.com/DE)