

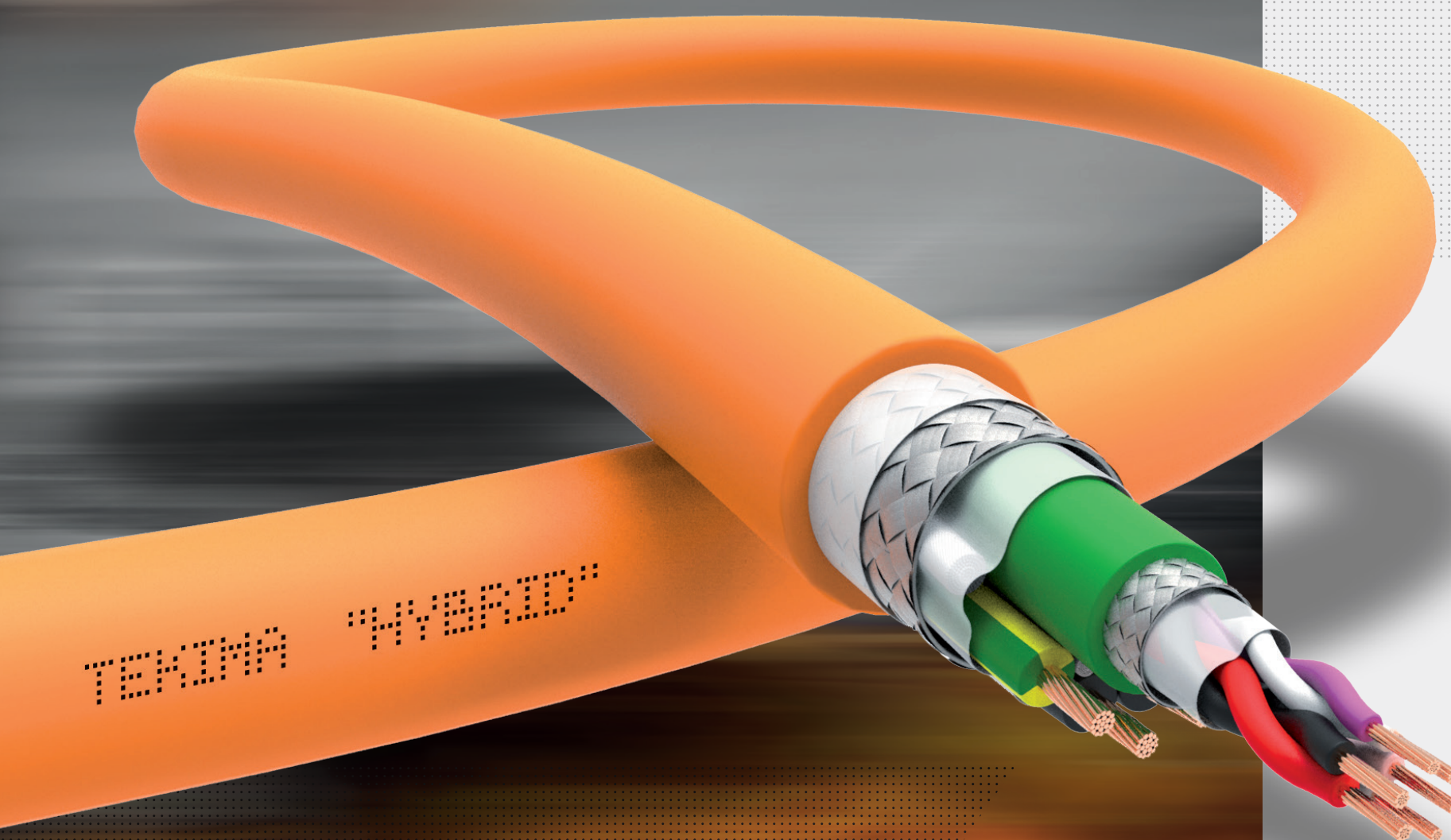


Company Profile

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















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	 Iron and steel	
 Marine and Offshore	 Oil and gas	 Packaging	 Printing	 Railways	 Renewable energy



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.**

P&G
Procter & Gamble

Whirlpool
CORPORATION

LEONARDO

DHL



Ferrari



SIEMENS



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



www.tekima.com/video-en/training

formazione

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



File # E314444
File # E484123



File # E484123
File # MH60136



File # E361258
File # E514001
File # E361260



File # E361258
File # E514001



File # 265572



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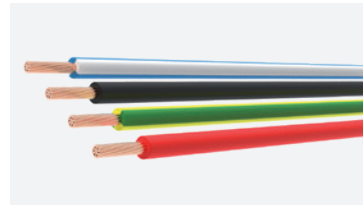


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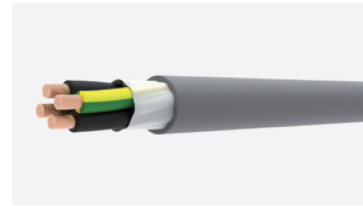




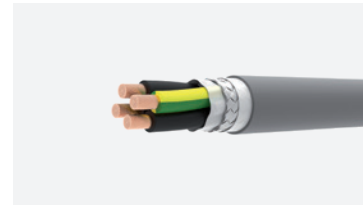
Industrial cables



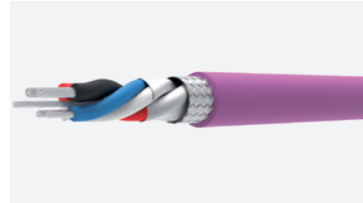
Single core cables



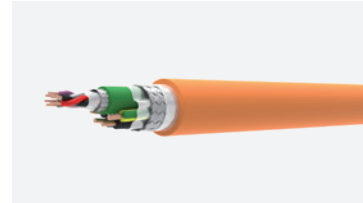
Fixed application cables



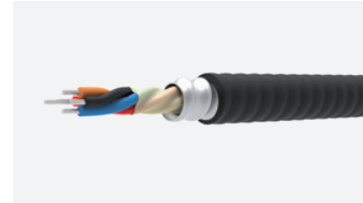
Dynamic application cables



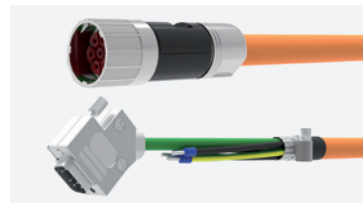
Data transmission cables



Multi-conductor "Hybrid" cables



"Made in USA" Listed Cables



"Contek" connectorized cables



Fittings and cable entry systems



Wiring products



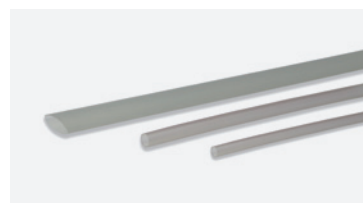
Cable ties



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



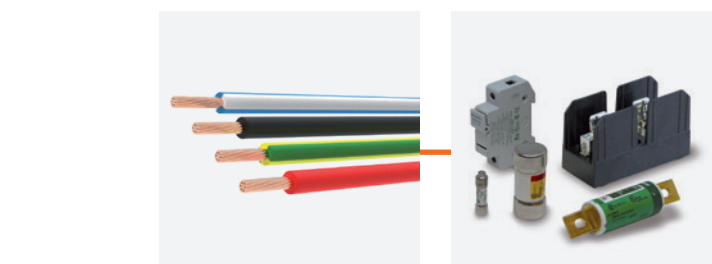
Panel interface, plugs, receptacles



Cabinet lights and luminaries



Safety Labels



Single core cables

Fuses and fuseholders



Heat shrinkable tubings



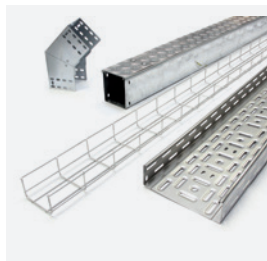
Non-shrinkable tubings



Arc-Flash Relays



Voltage indicators and voltage test stations



Cable tray systems



Cable ties

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.



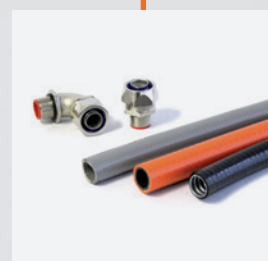
Cabinet lights and luminaries



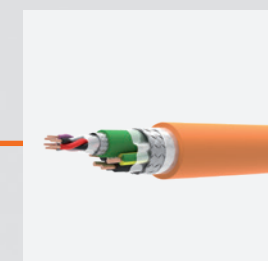
Panel interface, plugs, receptacles



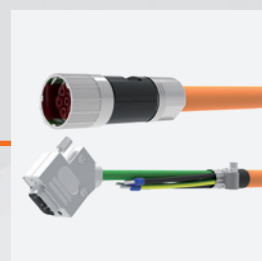
Safety Labels



Reinforced conduits



Multi-conductor "Hybrid" cables



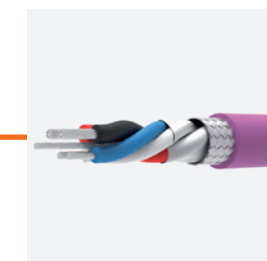
"Contek" connectorized cables



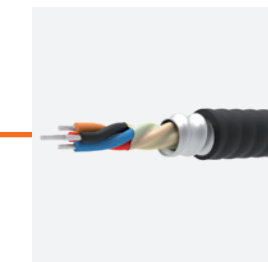
Dynamic application cables



Rigid metal tubings and conduits



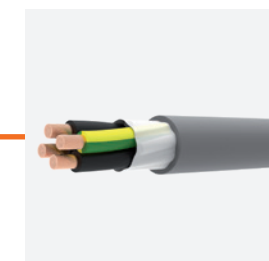
Data transmission cables



"Made in USA" Listed Cables



Corrugated conduits



Fixed application cables



Fittings and cable entry systems

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 conductors, 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 remises, 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.

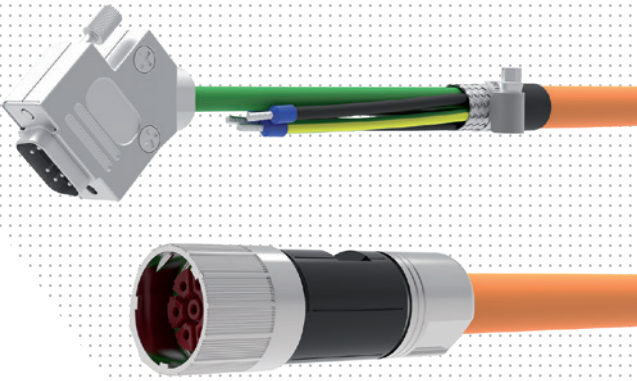
- Connectors compatible with the most used motors and drives.
- Custom configurations based on your applications.
- Certified quality of all components.
- 100% tested.
- Fast delivery.

Guaranteed compatibility

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



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

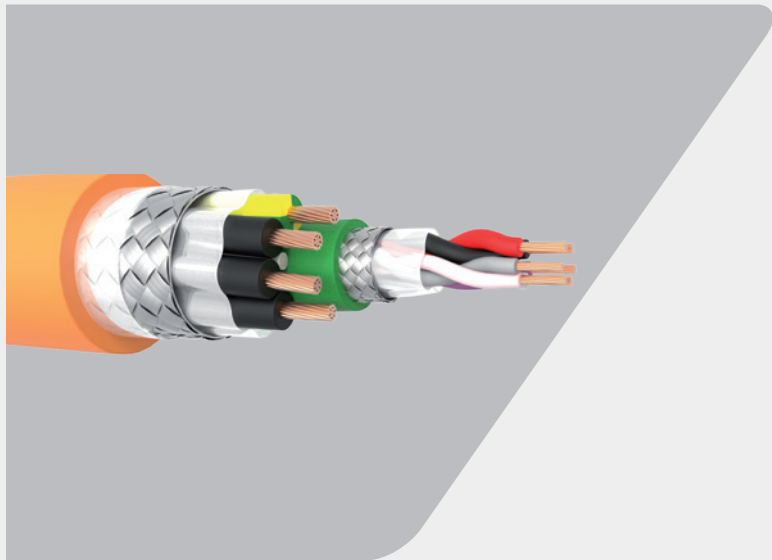
Product development

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

Kit 360

Simplicity cut to size for you

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



360@tekima.com for your bespoke solution



www.tekima.com/video-en/tekima360



DIMENSIONS

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]

7,2

Multi group cables only

☐

Search..

Number of results: 46

Results per page: 10

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](#)

Go to detail

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

Type

Heat shrinkable tubings

Typical applications

All

Material

All

Adhesive

All

Halogen free

All

Color

All

Package

All

Search..

Number of results: 110

Results per page: 10

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](#)

Go to detail

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

Category

All

Risk level

All

Material

All

Version

All

RESEARCH

Research metod

Search for single words

ARRANGEMENT

Order by

Newer

Search..

Number of results: 12

Results per page: 12

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.W090S.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



www.tekima.com/en/spac



www.tekima.com/en/wscad



www.tekima.com/en/ige+xao



www.tekima.com/en/electrographics



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

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) Ed. 2023

Number of conductors: 4

☐ + ground conductor

Maximum current requested [A]: 40

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

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

Ambient temperature [°C]: 30

Conductor/component temperature [°C]: 90

[Home](#) [Calculate](#)

Results

Nominal conductor's current: 70.8 A

Maximum conductor's current: 49.2 A

Calculated conductor: 6 AWG (13.3 mm²)

NOTE:
Refer to chapter 250 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 NFPA 79 standards.

Standard reference: NFPA70 (NEC) Ed. 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 [ADD](#)

Cable diameter [mm]: 8

Cable quantity: 8 [ADD](#) [REMOVE](#)

[Home](#) [Calculate](#)

Results

Total number of cables: 10

Total section of cables: 139.8 mm²

Maximum filling ratio of the raceway: 45 %

Nominal size of the raceway: 75

Internal cross section of the raceway: 156.76 mm²

Actual filling ratio of the raceway: 89.31 %

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





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