



ENERGY &
AUTOMATION
SOLUTIONS



OUR COMPANY

Founded in 1980 thanks to the intuition of Mr. Mario Leonardi, the company is still run by the Leonardi family.

Sada Cavi is a company specialized in the production and commercialization of electrical cables, ropes and copper bars for civil and industrial use, in every field.

In over 40 years of activity it has established itself as a commercial reality at international level, thanks to a service based on the **research of innovative and customized solutions**, conceived to make the difference; reliable solutions for small, medium and large companies.

The aim is to guarantee all customers a **tailor-made service** and an **efficient logistic**, thanks to a continuous process of business innovation, research and development.

The flagships of the innovation process are:

- the **automated processing plant** consisting of the self-supporting vertical warehouse, designed to optimize the storage of goods;
- the **extensive reel park** and the **TRACK & RACE®** modular space optimization system for reel control and storage, based on RFID technology, which guarantees precise and efficient order management;
- the **SADA LAB Cable Testing Laboratory** specifically aimed at testing and ensuring the quality and conformity of cables placed on the market.

The extension of the warehouses for product storage, which covers an area of 30,000 square meters, allows an increasing number of products available for delivery.



PRODUCT SECTORS

Sada Cavi is an **international reference point** for the production and commercialization of electrical cables for industrial applications in every sector: Automation/Robotics, Automotive, Mechatronics, Civil and Industrial, Food, Pharmaceutical, Chemical, Naval, large utilities (Enel, Railways and Electric Companies), Domotics, Lighting, Electronics and Telecommunications.



CERTIFICATIONS

Sada Cavi has achieved UL certification **“Processed Wire – Respoled”**.

This certification requires that the cable always has a UL label on it, which guarantees the traceability of the product and its manufacturing process.

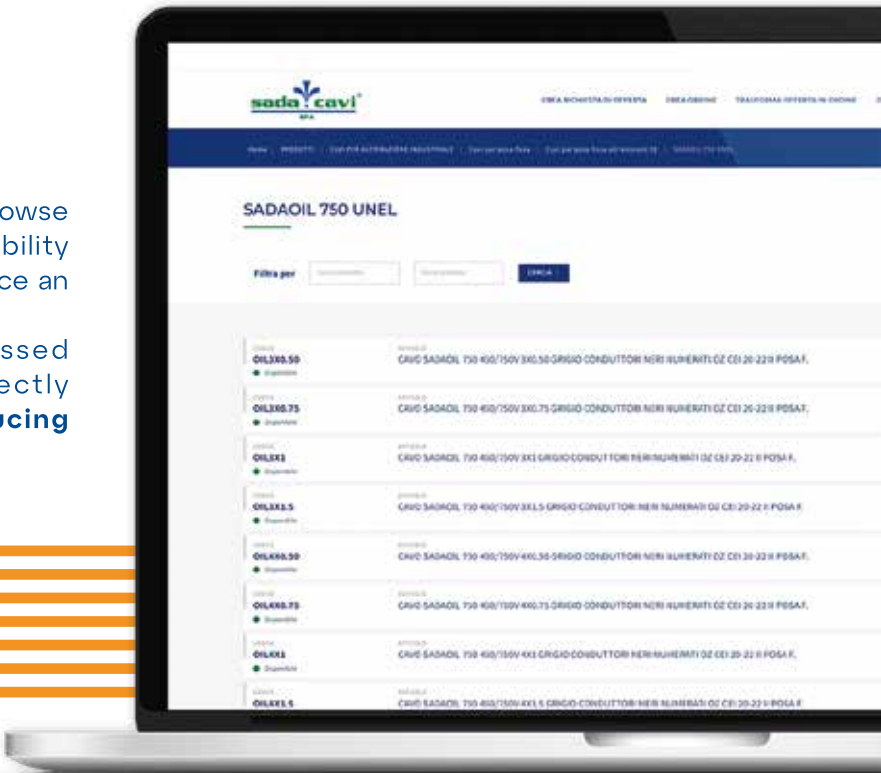
Periodic inspections by the organization guarantee the respect of the procedure over time.

E-COMMERCE

BUY ONLINE AND SIMPLIFY YOUR WORK

The Sada Cavi e-commerce allows you to browse the digital catalogue, check product availability in real time, request a customized offer and place an order in a few simple steps.

Through e-commerce, orders are processed immediately by our system, arriving directly in production, thus speeding up and **reducing delivery times**.





AUTOMATION SOLUTIONS



OIL-RESISTANT CABLES FOR FIXED INSTALLATION



SADACONTROL® 500 P
SADACONTROL® 500 CP

Multicore cables for fixed installation, Oil Resistant, abrasion resistant, Pur outer sheath, grey color. Shielded (CP), 300/500V, UV resistant. Also available in UNEL color.



SADAOIL® 750
SADAOIL® 750 CY

Multicore cables for fixed installation, Oil Resistant, PVC sheath, grey color, unshielded or shielded (CY), 450/750V, ECA Cpr class, also available in UV resistant and UNEL color version.



SADAOIL® 1000
SADAOIL® 1000 CY

SUITABLE FOR DIRECT BURIAL INSTALLATION
Multicore power cables for fixed installation, Oil Resistant, PVC sheath, black color, unshielded or shielded (CY), 0.6/1kV, IEC 60332-3-24, UV resistant.



SADADATA® LiYY
SADADATA® LiYCY

LiYY: multicore cables for signal transmission, fixed installation, grey PVC sheath, 300V, IEC 60332-3. Good resistance to oils.

LiYCY: multicore cables for signal transmission, fixed installation, grey PVC sheath, 300V, shielded with tinned copper braid, IEC 60332-3. Good resistance to oils. Also managed in TP version (in pairs).



SADA-ARMOUR®

Multicore cables, fixed installation, Oil Resistant, special PVC sheath, transparent or grey Ral 7001, galvanized steel braid armour. 300/500V or 450/750V, also available in UNEL version.



STYLE 1015-1007/1569

Single core cables Style 1015, PVC insulated, 600V, UL/CSA approved. Single core cables Style 1007/1569, PVC insulated, 300V, UL/CSA approved.



H07V-K - 07V-K

Single core PVC insulated cables, 600V (UL) 450/750V (EN) UL/CSA, HAR/ IEMMEQU certified, CPR class: ECA.



SADAOIL® 1000 UR/CSA
SADAOIL® 1000 CY UR/CSA

AWM STYLE 21179 UR/CSA
SUITABLE FOR DIRECT BURIAL INSTALLATION
Multicore fixed installation power cables, Oil Resistant, PVC sheath, grey color, unshielded or shielded (CY), 1000V, operating temperatures -40°C + 90°C, UL/CSA approved.



SADATRAY UL LISTED
SADATRAY CY UL LISTED

MTW TC-ER CIC TRAY CABLE-EXPOSED RUN
SUITABLE FOR DIRECT BURIAL INSTALLATION
Multicore cables for fixed installation, Oil Resistant, PVC sheath, UV resistant, black color, unshielded or shielded (CY), 600V, UL LISTED c(UL).

CONNECTORS & WIRING - COILED CABLES



WIRING FOR DRIVES

Cable harnesses for brushless motors, encoders/ resolvers, made to technical specifications.



WIRING M8/M12

Moulded wiring harnesses with M8/M12 connectors for sensors/actuators.



COILED CABLES

Flexible coiled signal or energy cables for multiple applications and with possibility of customization.

OIL RESISTANT CABLES DYNAMIC INSTALLATION



SADADATA® CHAIN
SADACHAIN® CHAIN CY

80°C UR/CSA
Multicore power, control and data transmission cables, dynamic installation for drag chain, Oil Resistant, PVC sheath, grey color, unshielded or shielded (CY), voltage 300V,UL/CSA approved.



SADACHAIN® POWER
SADACHAIN® POWER CY

90°C UR/CSA
Single core power cables dynamic installation for drag chain, Oil Resistant, PVC sheath, black or yellow/ green color, voltage 1000V, UL/CSA approved. Also managed in shielded version (CY).



SADACHAIN® POWER
SADACHAIN® POWER CY

1000V AWM STYLE 2570 UR/CSA
Multicore cables, dynamic installation for drag chains, Oil Resistant, grey PVC sheathing, unshielded or shielded (CY), voltage 1000V, UL/CSA approved.



SADACHAIN® PUR 1000V
SADACHAIN® PUR CY 1000V

80°C UR/CSA
Single core cables dynamic installation for drag chain, Oil Resistant, Halogen free, PUR sheathing, black, unshielded or shielded (CY), voltage 1000V, UL/CSA approved.



SADACHAIN® PUR 1000V
SADACHAIN® PUR CY 1000V

80°C UR/CSA
Multicore cables, dynamic installation for drag chain, Oil Resistant, Halogen free, PUR sheath, black, unshielded or shielded (CY), voltage 1000V, UL/CSA approved.



SADATORSION P
SADATORSION CP

80°C UR/CSA
Multicore cables particularly resistant to torsions and bendings in industrial robots, Oil Resistant, PUR sheath, grey color, unshielded or shielded (CP), UL/CSA approved.

INVERTER - EMC - BRUSHLESS CABLES



VFD 2YSLCYK-J
VFD 9YSLCYK-J

Multicore fixed installation cables for inverter, PVC sheath, black color, shielded with tinned copper braid, voltage 0.6/1 kV. Also managed in non-toxic version 2XSLCH-K. 9YLSCKY-J AWM SYLE 2570 UR/CSA.



SPECIAL SADASERVO® 9Y C C CP

Multicore cables, dynamic installation for drag chains, Oil Resistant, PUR sheath, grey color, shielded with tinned copper braid, voltage 1000V, UL/CSA approved.



SADATRAY SERVO CHAIN CY

Multicore cables, dynamic installation for drag chains, Oil Restistant, PVC sheath, orange color, shielded with tinned copper braid, voltage1000V, UL LISTED c(UL) certified.



SADASERVO® CY UR/CSA
SADASERVO® CHAIN CY/CP UR/CSA

Multicore cables, fixed or dynamic installation for drag chain, Oil resistant, PVC or Pur outer sheath, orange color, shielded with tinned copper braid, voltage 1000V, UL/CSA approved, 4 cores.



SADASERVO® C CY UR/CSA
SADASERVO® CHAIN C CY/C CP UR/CSA

Multicore cables, fixed or dynamic installation for drag chain, Oil resistant, PVC or Pur outer sheath, orange color, shielded with tinned copper braid, voltage 1000V, UL/CSA approved. 4cores+1 shielded pair.



SADASERVO® C C CY UR/CSA
SADASERVO® CHAIN C C CY/C C CP UR/CSA

Multicore cables, fixed or dynamic installation for drag chain, Oil resistant, PVC or Pur outer sheath, orange color, shielded with tinned copper braid, voltage 1000V, UL/CSA approved. 4cores+2 shielded pairs.

BUS AND ETHERNET CABLES



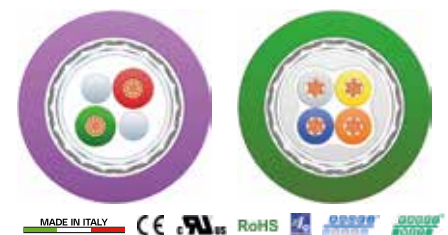
EIB BUS - U/UTP - U/FTP

EIB BUS: data transmission cables, fixed installation, LSZH outer sheath, AL/PET shielding, voltage 300V, CPR class Cca-s1b, d0, a1. **U/UTP - U/FTP:** data transmission cables, fixed installation, PVC or LSZH sheath, unshielded or shielded, armoured or DG, managed in CAT.5E, CAT6, CAT6A . Managed in CPR Cl. Eca - Cca, s1a, d1, a1 - B2ca, s1a, d1, a1.



SADADATA® DEVICENET™

UR/CSA
Data transmission cables fixed and dynamic installation for drag chain, Oil Resistant, PVC and PUR outer sheath violet colour, with shielded aluminium polyester tape and tinned copper braid, voltage 300 V, UL/CSA approved.



SADADATA®

PROFIBUS FMS-DP L2
PROFINET TYPE B - C
Multicore cables, fixed and dynamic installation for drag chain, Oil Resistant, PVC and PUR outer sheath, Profibus violet colour, Profinet green colour, with shielded aluminium polyester tape and tinned copper braid, voltage 300 V, UL/CSA approved.



SADADATA® CANOPEN®

UR/CSA
Data transmission cables for fixed and dynamic installation for drag chain, Oil Resistant, PVC and PUR outer sheath violet colour, with shielded tinned copper braid, voltage 30 V or 300 V, UL/CSA approved.



SIEMENS®

PROFIBUS 6XV1830-0EH10
PROFINET 6XV1840-2AH10
Data transmission cables for fixed installation, specially designed for fast installation, Oil Resistant, PVC outer sheath, Profibus violet colour, Profinet green colour, with shielded aluminium polyester tape and tinned copper braid, voltage 100 V, UL/CSA approved.



SADADATA® INDUSTRIAL

ETHERNET UR/CSA
Data transmission cables, dynamic installation for drag chain, SF/UTP CAT.5E and CAT.6, Oil Resistant, PVC or PUR outer sheath, green or violet color, with shielded aluminium polyester tape and tinned copper braid, voltage 30 V, UL/CSA approved.

CONTROL-ENCODERS-RESOLVERS AND MEASURING SYSTEMS CABLES DYNAMIC INSTALLATION



RESOLVER PVC CY / PUR CY

Multipair twisted cables for signal transmission, dynamic installation for drag chain, Oil Resistant, with shielded tinned copper braid on pairs and total, PVC or PUR outer sheath green colour, voltage 30 V or 300 V, UL/CSA approved.



ENCODER PUR CY
ENCODER PVC CY

Multipair cables for signal transmission, Encoder connection, for drag chain, Oil Resistant, with shielded tinned copper braid, on both individual pairs and total, or only on individual pairs, PVC or PUR outer sheath, green color, voltage 30V or 300V, UL/CSA approved.



MEASURING SYSTEMS CABLES

PVC CY / PUR CP
Multipair twisted cables for encoder connection, Eq. Heidenhain® dynamic installation for drag chain, Oil Resistant, with shielded tinned copper braid, PVC and PUR outer sheath green and black colour, voltage 30 V or 300 V, UL/CSA approved.



SADADATA® LIF9YCY UR/CSA

Multipair cables for signal transmission, for drag chain, Oil Resistant, with shielded tinned copper braid, PVC outer jacket, grey color, voltage 300V, Din 4700 conductor color , UL/CSA approved.



HYBRID CABLE PVC-PUR
STANDARD SICK HIPERFACE DSL®

Hybrid cables according to the SICK HIPERFACE DSL® standard for drag chain, oil resistant, PVC or PUR sheath, orange color, with shielded tinned copper braid, voltage 1000V, UL/CSA approved.



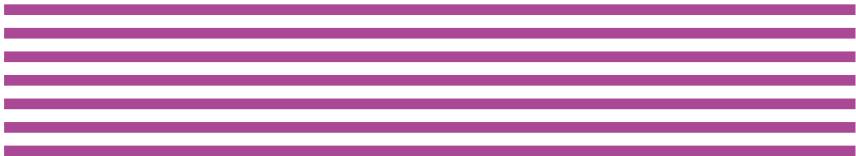
TACHYMETRIC CABLE

Multipair twisted cables for dynamo tachymetric connection in drag chain, Oil Resistant, with shielded tinned copper braid, PUR outer sheath, green color, voltage 30 V, UL/CSA approved.

Encoder cables to Std . SIEMENS , BOSCH REXROTH INDRAMAT, HEIDENHAIN, FANUC, LENZE, B&R, OMRON; Control Techniques, Rockwell, Yaskawa, Schneider



ENERGY SOLUTIONS



ENERGY CABLES



RoHS

FG16R16 FG16OR16

Cables for fixed installation, single core or multicore, voltage 0,6/1kV, according to CPR-UE 305/11 Cl. Cca- s3, d1, a3. Good UV resistance.



RoHS

FG16OH2R16 FG16H2R16 SADASCREEN®

Cables for fixed installation, single core or multicore, shielded with red copper braid, voltage 0,6/1kV, according to CPR-UE 305/11 Cl. Cca- s3, d1, a3. Good UV resistance.



RoHS

FG16OR16AR16

Multicore cables for fixed installation, armoured with galvanized steel braid, voltage 0,6/1kV, according to CPR-EU regulation 305/11 Cl. Cca- s3, d1, a3. Good UV resistance.



RoHS

ARG16R16

Single core cables for fixed installation, with aluminum conductor, voltage 0,6/1 kV, according to CPR-UE 305/11. Available in CPR Cl. ECA and in Cl. Cca- s3, d1, a3. Good UV resistance.



RoHS

FS17

Single core cables for fixed installation, voltage 450/750V, according to CPR-UE 305/11 Cl. Cca- s3, d1, a3.



RoHS

FS18OR18 FS18OH2R18

Multicore cables for fixed installation, voltage 300/500V or 450/750V, according to CPR-UE 305/11 Cl. Cca- s3, d1, a3.



RoHS

SADACONTROL®

Multicore cables for fixed installation, voltage 300/500V or 450/750V, according to CPR-UE 305/11 Cl. Cca- s3, d1, a3.



RoHS

SADASCREEN® H2

Multicore cables for fixed installation, shielded with red copper braid, voltage 300/500V or 450/750V, according to CPR-UE 305/11 Cl. Cca- s3, d1, a3.



CE

ARE4E4X

Two and four-cores low voltage cables, voltage 0,6/1 kV, self-supporting with visible spiral; for overhead installation with aluminum conductors, XLPE insulated, under XLPE sheath.

MEDIUM VOLTAGE CABLES



CE RoHS

RG26H1M16 RG26H1M16X

Medium voltage single core or three cores (visible spiral) cables, voltage from 12/20 kV to 18/30 kV. According to CPR-EU regulation 305/11 Cl. Cca-s1b, d1, a1.



CE RoHS

RG16H1R12 RG16H1R12X

Medium voltage single core or three cores (visible spiral) cables, voltage from 1,8/3 kV to 26/45 kV. According to CPR-EU regulation 305/11 Cl. Eca.



CE RoHS

ARG16H1R12 ARE4H5EX

ARG16H1R12: Medium voltage single core or three-cores (bundled) cables, with Aluminum conductor, voltage 12/20 kV. According to CPR-EU regulation 305/11 Cl. Eca. ARE4H5EX: Three-cores (bundled) medium voltage cables, with aluminum conductor, according to GSC001 rev 02/003 (ENEL) regulations.

AFUMEX ENERGY CABLES



FG16M16
FG16OM16

Cables for fixed installation, single core or multicore, voltage 0,6/1 kV, LSZH sheath, according to CPR-UE 305/11 Cl. Cca- s1b, d1, a1. Good resistance to industrial oils and greases, good behaviour at low temperatures.



FG16H2M16
FG16OH2M16 SADASCREEN®

Cables for fixed installation, single core or multicore, shielded with red copper braid, voltage 0,6/1 kV, LSZH sheath, according to CPR-UE 305/11 Cl. Cca- s1b, d1, a1. Good resistance to industrial oils and greases, good behaviour at low temperatures.



FG16OM16AM16

Multicore cables for fixed installation, armoured with galvanized steel braid, voltage 0.6/1 kV, LSZH sheath, according to CPR-UE 305/11 Cl. Cca- s1a, d0, a1. Good resistance to industrial oils and greases, good behaviour at low temperatures.



ARG16M16

Single core cables for fixed installation, with aluminium conductor, voltage 0.6/1 kV, LSZH sheath, according to CPR-UE 305/11 Cl. ECA and Cl. Cca- s1b, d1, a1. Good resistance to industrial oils and greases, good behaviour at low temperatures.



FG17 - H07Z1-K TYPE 2
H07Z-K

FG17 - H07Z1-K Type 2 : Single core cables for fixed installation, voltage 450/750V, LSZH sheath, according to CPR-UE 305/11 Cl. Cca- s1b, d1, a1. H07Z-K : Single core cables for fixed installation, voltage 450/750V, LSZH sheath, according to CPR-UE 305/11 Cl.Eca.



FM9OZ1

Multicore cables for fixed installation, LSZH sheath, voltage 450/750 V according to CPR-UE 305/11 Cl. Cca-s1a,d0,a1.



FTG18(O)M16 PH120

Cables for fixed installation, single core or multicore, voltage 0,6/1 kV, LSZH sheath, according to CPR-UE 305/11 Cl. B2ca s1a, d1, a1. Cables with additional characteristics for operation in the presence of fire and mechanical shocks for at least 120 minutes at a temperature of 830°C. Good resistance to industrial oils and greases, good behaviour at low temperatures.



FG18(O)M16

Cables for fixed installation, single core or multicore, voltage 0,6/1 kV, LSZH sheath, according to CPR-UE 305/11 Cl. B2ca s1a, d1, a1. Cables with special fire behaviour, UV resistant, good resistance to industrial oils and greases, good behaviour at low temperatures.



FG29OM16 PH 120
FG29OHM16 PH 120

Multicore cables, voltage 100/100V, shielded (FG29OHM16) or unshielded (FG29OM16), suitable for connection between sensors and fire detection and vocal evacuation systems(EVAC), fire resistant PH120, reduced opaque smoke emission, LSZH, purple or red color. According to CPR-EU regulation 305/11 Cl. Cca s1b, d1, a1.

HIGH TEMPERATURE CABLES



FG4-SIF/FG4G4-SIHF

Single core or multicore cables, voltage 300/500V, resistant to low and high temperatures, with insulation and sheathing in silicone rubber, flame retardant and halogen-free.



SIF/GL-FG4T2
SIHF/GL-FG4G4/T2

Single core or multicore cables, voltage 300/500V, resistant to low and high temperatures, with insulation and sheathing in silicone rubber, covered by glass fiber braid, flame retardant and halogen-free.



THERMOCOUPLE CABLES

Multicore extension or compensation cables for thermocouples, voltage 300/500V with insulation and sheathing in PVC, rubber or glass fiber, unshielded, shielded or armored, resistant to low and high temperatures.

HAR STANDARDS CABLES



H05V-K
H07V-K

Single core cables for fixed installation, voltage 300/500V or 450/750V, PVC insulation, HAR certified and according to CPR-UE 305/11 Cl. Eca.



H03VV-F
H05VV-F

Multicore cables, voltage 300/300V or 300/500V, PVC sheath, for light duty applications, HAR certified and according to CPR-UE 305/11 Cl. Eca.



H07RN-F

Single core and multicore cables, rubber insulated and with special sheath, voltage 450/750V. Suitable for dynamic installation or for medium-heavy mobile connections service in dry or wet environments (AD6). Good flexibility and resistance to abrasion, blows, crushing and tearing. Good resistance to weathering, grease and mineral oils. UV and Ozone Resistant. According to CPR-EU regulation 305/11 Cl. Eca



H01N2-D

Single core for arc welding cables with normal flexibility, voltage 100/100V, rubber outer sheath. Good resistance to abrasion, weathering and ozone. Good resistance to continuous bending and torsions.



H12Z22-K (HALOGEN FREE)

Single core cables for photovoltaic and solar systems, tinned copper conductor, voltage 1000 V (A.C.), 1500 V (D.C.), LSZH cross-linked compound insulation and sheath, UV and Ozone Resistant, cables tested to last more than 25 years. According to CPR-EU 305/11 Cl. Eca



H07VVH6-F
H07VC5VH6-F

Flat multicore cables for free dynamic laying for power supply and control of overhead cranes, hoists, cranes, voltage 450/750V, outer sheath in Blue or Black PVC, shielded or unshielded. Fire retardant.

OTHER CABLES



OPTICAL FIBER

Optical fiber cables, LSZH or PE sheath, single mode or multimode, armored or unarmored. Optical fiber cables guarantee high performance in terms of speed. According to CPR-EU regulation 305/11 Cl. Eca - Cca d1a,d1,a1 - B2ca, s1a,d1,a1.



COPPER ROPE
COPPER BARS

Annealed red copper wire, 99.9% pure, for earthing installations. Solid, sharp-edged or rounded copper bars used in electrical switchboards, for power distribution and when predefined connection, branch and fastening points are not available.



ALARM CABLES

Multicore cables for fixed installation, voltage 300/500V or 0.6/1 kV, PVC or LSZH sheath, grey or blue color, for alarm and intrusion detection systems. According to CPR-EU regulation 305/11 Cl. CCA s1,d1,a3 - B2ca,s1b,d0,a1.



FG16XHOHM16
FG16XHOHR16

Multicore cables for fixed installation, voltage 0.6/1kV, R16 or M16 outer sheath, shielded both on pairs and overall. According to CPR-EU regulation 305/11.



SADA OIL EB
SADA OIL EB CY

Multicore cables for fixed installation, voltage 450/750V, Blue PVC outer sheath, resistant to industrial oils, shielded or unshielded, for intrinsically safe circuits.



NSGAFÖU 1,8/3 KV

Power and control cables, rubber insulation and sheathing, voltage 1.8/3 kV. Suitable for many applications in fixed installation in automation or railway vehicles.



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