

<http://www.feynmancable.com>

FEYNMAN[®]
CABLE



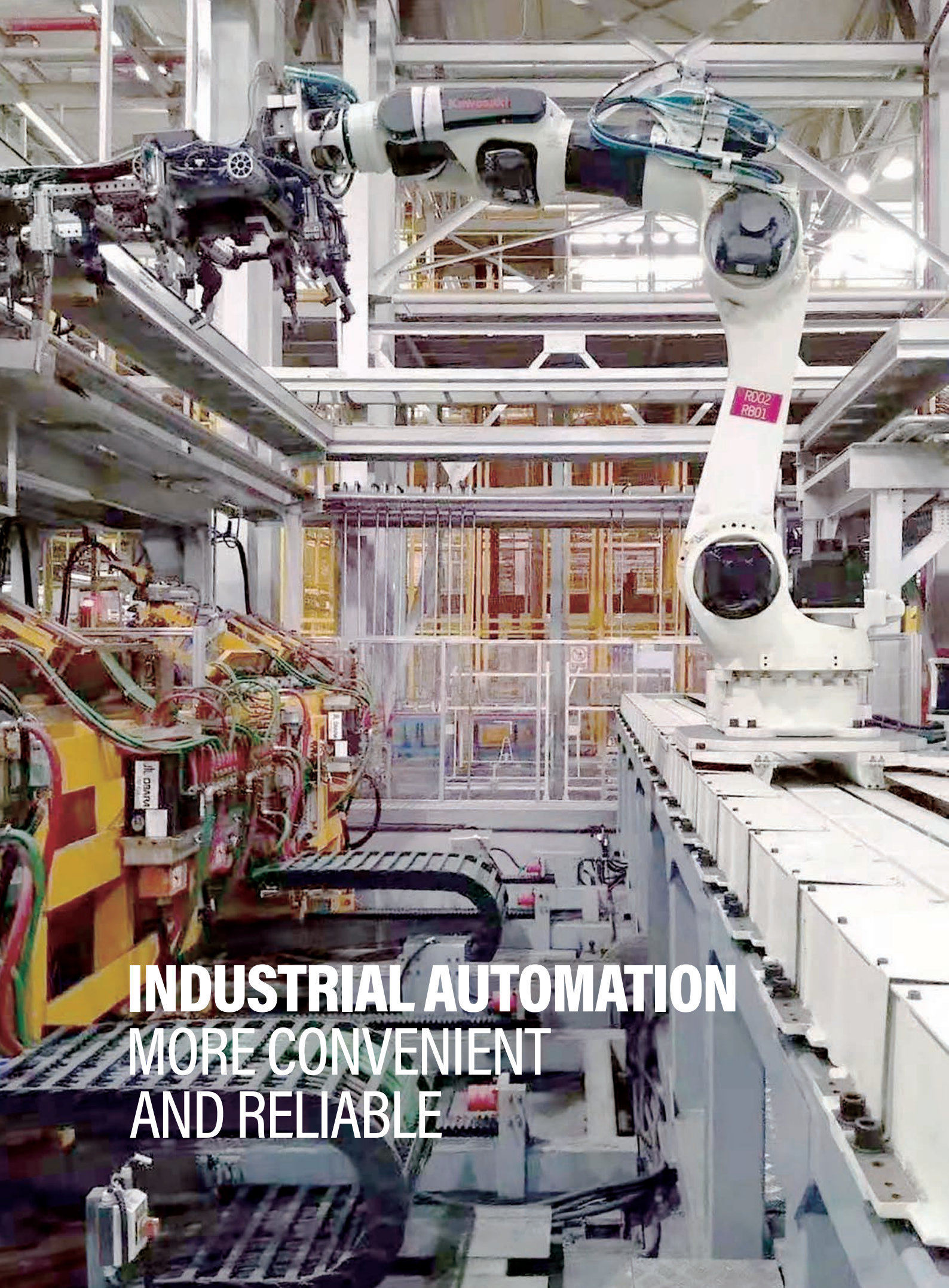
INDUSTRIAL AUTOMATION MORE CONVENIENT AND RELIABLE



NINGBO FEYNMAN CABLE CO., LTD



Feynman Cables Product Manual



Company Profile

Ningbo Feynman Cable Co., Ltd. is committed to "internet of everything more convenient and reliable" as own mission, devoted to providing professional data cable of generic cabling system、 industrial cable and component products' R&D、 production、 sales and services.

Founded in 2003, Feynman is a high-tech enterprise specializing in R&D and manufacturing data cables, industrial cables and connection components. The R&D center and production base are set up in Ningbo, and the R&D engineers all have more than 10 years' experience. The R&D center has complete specialized testing capabilities including high-frequency transmission performance, mechanical and physical properties, environmental resistance testing, fatigue resistance testing, material analysis, combustion testing, performance, signal integrity simulation, etc., Which providing professional support and guarantee for product researching and test.

Feynman has complete production equipment and advanced technology, has obtained ISO9001 quality system certification, ISO14001 environmental management system certification and ISO18001 occupational health management system certification. The products have passed USA UL、 USA ETL、 EU CE、 CPR and other certifications, and meet the requirements of RoHS and REACH directives of the European Union.

In the past 20 years since its establishment, the company has closely followed the transformation of Ethernet technology in core technology and product development. Our products are exported to over 100 countries and regions worldwide, and have extensive applications in various fields such as data centers, industrial automation equipment, robots, data transmission, and special applications of control cables.



Hangzhou Bay New District



Brilliant legacy

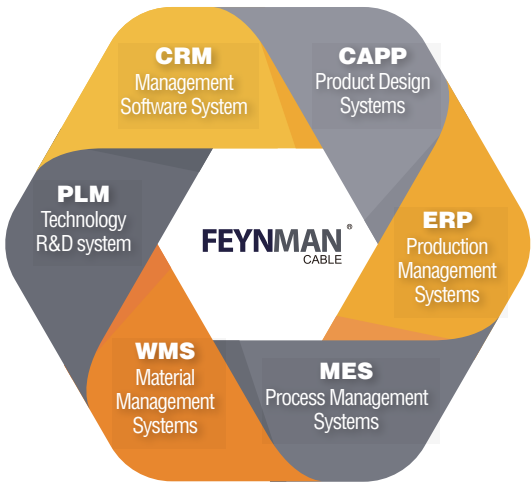


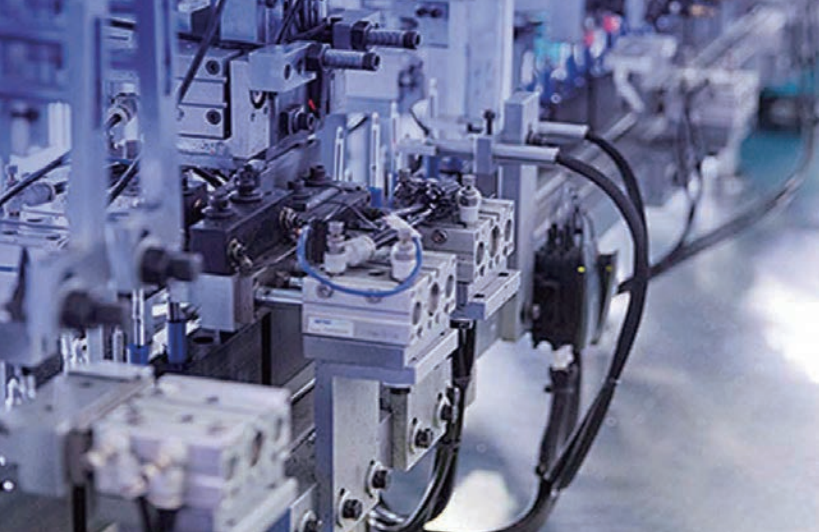
Plant area



R&D team

Feynman Cloud Services





INDUSTRIAL BUS CABLES

- Ethernet Profinet Type A/B/C/R
- Ethernet Open Cable
- Ethernet SPE Cable
- Can-Bus Cable
- Cc-Link Cable
- Devicenet Cable
- Fieldbus Cable
- Interbus Cable
- Lonbus Cable
- Profibus Pa /Dp Cable
- Rs485 Cable
- Safetybus Cable

FEYNMAN CABLE Ningbo Feynman Cable CO.,LTD Fmindustry Ethernet Profinet Type B



FEYNMAN CABLE Ningbo Feynman Cable CO.,LTD Fmindustry Ethernet Profinet Type C



(Partial product display, please see the product brochure for details)

Application scope

The products can be applied to industrial Ethernet, automobile driving, industrial automation control network, industrial Internet of Things, robots, machinery, ships, machine tools, petrochemical and other industries.



Data cable

- Cat 5e Stranded Cable-SF/UTP
- Cat 6 Stranded Cable-SF/UTP
- Cat 6A Stranded Cable-S/FTP

Application scope

The use of high-quality copper materials ensures excellent tensile properties and resistance properties of the product, and the optimized design of high-speed cable pitch technology and high-speed cable production technology. It has been certified by an authoritative third-party testing agency to use environmentally friendly materials and complies with REACH and RoHS standards.

Product Structure

Conducto	Number of cores	Insulatio	Sheath	Insulation colo	Sheath color
28AWG-16AWG	2-61	HDPE FEP	PVC LDPE TPU LSZH	more than 11 colors available	Purple Green Gray Blue Black White

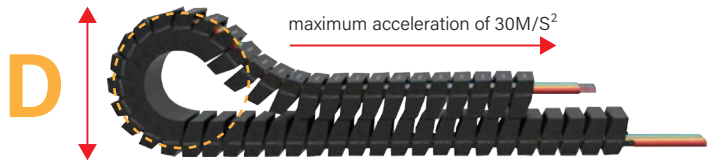


Flexible drag chain cable

- TRVV - Moderate flexible drag chain unshielded cable
- TRVVP - Moderate flexible drag chain shielded cable
- TRVVSP - Moderate drag chain pair-twisted shielded cable
- TRVU - Highly flexible drag chain unshielded cables
- TRVUP - Highly flexible drag chain shielded cables
- TRVUSP - Highly flexible drag chain pair-twisted shielded cables

Application scope

It is suitable for installation under continuous reciprocating motion, especially for frequent bending situations under industrial environment. For example, modern machinery standard components in drag chains and logistics systems, control systems, mechanical automation systems, etc. CNC machine tools, electronic equipment, metal stamping, wood and stone machinery, glass and door and window machinery, injection molding machines, mechanical (human) hands, construction machinery, heavy machine factories, automobile manufacturing, lifting and transportation equipment, automated warehouses, docks, fire trucks, etc. indoor and outdoor environments.



	Laying stroke	Degree of bending	Features
Black	acceleration 20m/S²	60 times/min/m, >7 million times	Waterproof, oil-proof, UV-resistant, weather-resistant, cold-resistant, and able to withstand certain mechanical external forces. Good electromagnetic properties (anti-interference)
High	acceleration 30m/S²	88 times/min/m, >12 million times	

FEYNMAN CABLE Ningbo Feynman Cable CO.,LTD TRVV



FEYNMAN CABLE Ningbo Feynman Cable CO.,LTD TRVU



(Partial product display, please see the product brochure for details)

Product Structure

Conducto	Number of cores	Insulatio	Sheath	Insulation colo	Sheath color
0.1-300mm²	2-61	PVC PP TEP TPEE ETFE	PUC TPE TPU	more than 11 colors available	Purple Green Gray Blue Black White

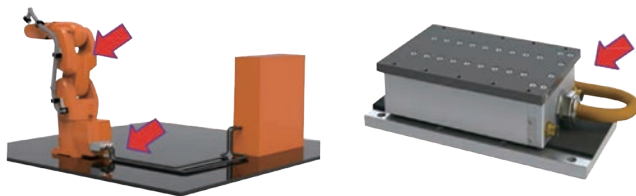


UL758 American standard cable

- UL1007
- UL1015
- UL1061
- UL1185
- UL1569
- UL1571
- UL1617
- UL1672
- UL10269
- UL10368
- UL2464
- UL2468
- UL2517
- UL2570
- UL2586
- UL2725
- UL2835
- UL20276
- UL20866

ROBOTIC CABLES

- R-FLEX-Robotic Unshielded Cables
- R-FLEX-Robot Shielded Cables
- R-FLEX-Robot Pair-twisted Shielded Cables



Laying stroke	Degree of bending	Speed	Features
Acceleration 30m/S²	88 times/min/m, >15million times	180° /s	Soft, wear-resistant

Advantage

Highly flexible drag chain, twist-resistant and bend-resistant cable for industrial robots, the outer sheath material is strong and durable. Resistant to ultraviolet rays, excellent weather resistance, cold resistance, oil resistance, and can withstand certain mechanical external forces

Application scope

It is suitable for robot automation systems, industrial equipment, automobile production lines, logistics handling equipment, spraying equipment, robot arms and other robots and automated machine tools that require high resistance to bending, torsion and slip resistance.

Product Structure

Conducto	Number of cores	Insulatio	Sheath	Insulation colo	Sheath color
0.1-33mm²	2-61	PP TEP TPEE ETFE	PVC TPU TPE	more than 11 colors available	mainly black and gray

Application scope

Used for internal connecting lines of general electronic and electrical equipment.

Advantage

Compliant with RoHS, REACH environmental standards.

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CABLE Ningbo Feynman Cable CO.,LTD

UL1015

FEYNMAN

CABLE Ningbo Feynman Cable CO.,LTD

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UL10368

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UL2570

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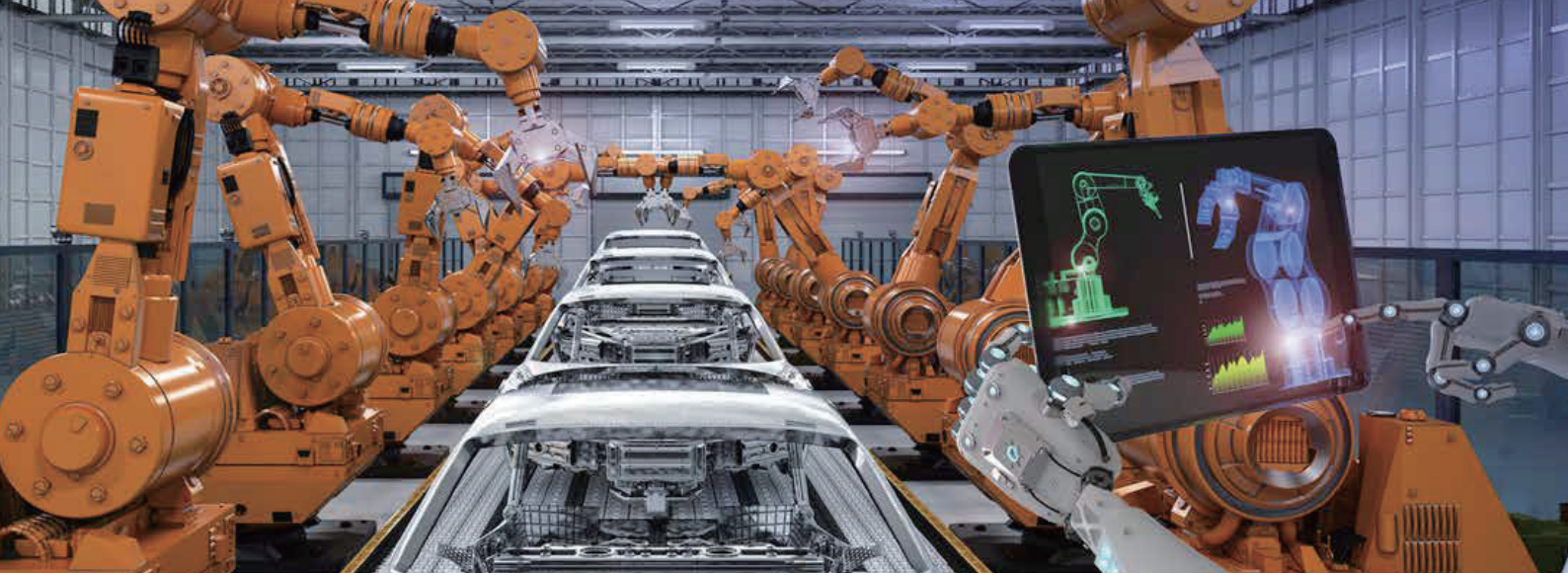
CABLE Ningbo Feynman Cable CO.,LTD

UL20276

(Partial product display, please see the product brochure for details)

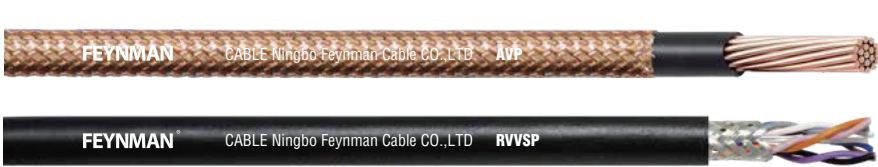
Product Structure

Conducto	Number of cores	Insulatio	Sheath	Insulation colo	Sheath color
28AWG-300KCMIL	1-61	PVC PE FEP	PVC TPU	more than 11 colors available	mainly black and gray



CCC POWER CABLE

- AVVR copper core PVC insulated PVC sheathed flexible cables for electrical installation
- AVP copper core PVC insulated shielded wire for installation
- RVP copper core polyvinyl chloride insulated shielded flexible wire
- RVVSP copper core PVC insulated PVC sheathed twisted shielded flexible wire
- RVVP copper core PVC insulated PVC sheathed shielded flexible wire
- BV PVC insulated unsheathed cable
- BVR flexible cable
- BVV PVC insulated PVC sheathed cable
- BVVB PVC insulated PVC sheathed flat cable
- RV PVC insulated unsheathed flexible cable
- RVV(300V) PVC insulated PVC sheathed flexible cable
- RVV(500V) PVC insulated PVC sheathed flexible cable
- RVB flat unsheathed flexible wire
- Flexible wires for RVS twisted connections
- AV PVC insulated unsheathed cable
- AVR PVC insulated unsheathed flexible cable
- Flexible wires for AVRS twisted connections
- AVRB flat unsheathed installation flexible cable
- YZ and YZW ordinary strength rubber sheathed flexible cables
- YC and YCW heavy-duty rubber sheathed flexible cables
- TVVB elevator traveling flat cable low speed and low height
- TVVBP3 elevator traveling shielded flat cable low speed and low height
- Elevator traveling flat cable, medium speed, medium height
- Elevator traveling flat cable at high speed and height



(Partial product display, please see the product brochure for details)

Application scope

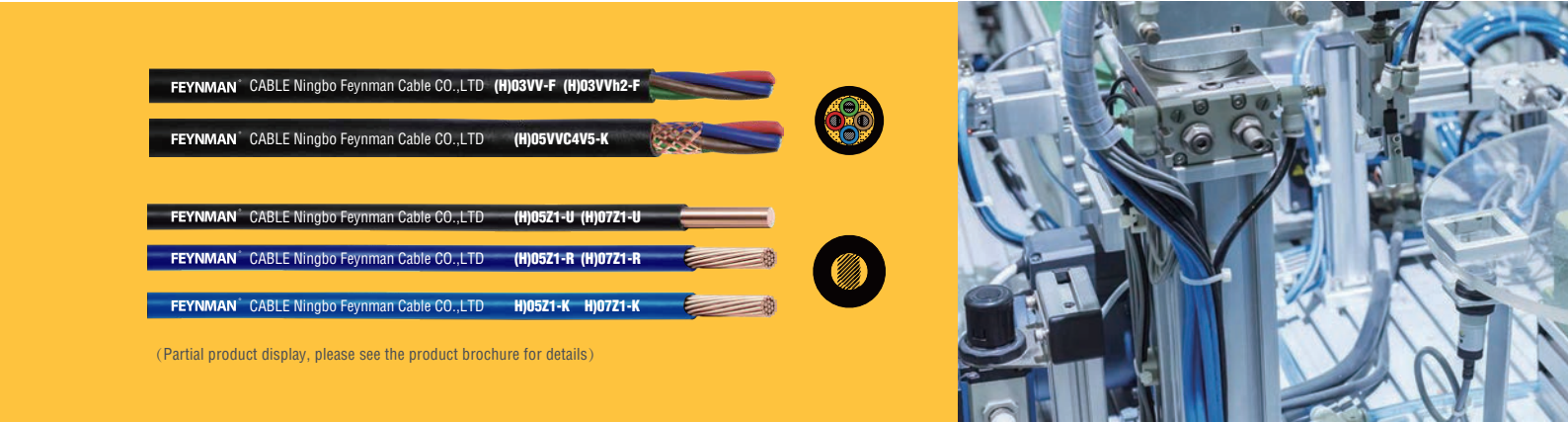
Anti-theft alarm system, automation control system, electrical equipment control internal wiring, electronic equipment, medium and light mobile appliances, instrumentation, mechanical or automation system engineering wiring, escalator and other control systems, daily appliances, instruments, meters, Flexible cord locations for mobile installations of telecommunications equipment, lighting circuits and automation devices.

Product Structure

Conducto	Number of cores	Insulatio	Sheath	Insulation colo	Sheath color
0.1-300mm ²	1-61	PVC	PVC	more than 11 colors available	mainly black and gray

EU Standard Power Cable

- (H)03VV-F, (H)03VVH2-F
- (H)05VV-F, (H)05VVH2-F
- (H)03V2V2-F, (H)03V2V2H2-F
- (H)05V2V2-F,(H)05V2V2H2-F
- (H)07V-U, (H)07V-R, H07V-K
- (H)05V-U, (H)05V-R, (H)05V-K
- (H07V2-U, (H)07V2-R,(H)07V2-K
- (H05V2-U, (H)05V2-R, (H)05V2-K
- (H)05VV5-F
- (H)05VVC4V5-K
- (H)03 (05) Z1Z1-F, (H)03 (05) Z1Z1H2-F
- (H)07(5)Z1-U, (H)07(5)Z1-R, (H)070Z1-K
- (H)07(05)Z-U,(H)07Z-R,(H)07(05)Z-K
- YSLY EU standard unsheilded control cable
- YSLCY shielded EU standard control cable
- YSLCY shielded double sheath EU standard control cable
- LiYY unsheilded EU standard data cable
- LiYCY shielded EU standard data cable
- LiYY-TP twisted pair unsheilded EU standard data cable
- NYY-0 EU Power cable U0/U 600/1000V
- NYY-J EU Power cable U0/U 600/1000V
- N2XY EU Power cable U0/U 600/1000V
- N2XH EU Power cable U0/U 600/1000V



Application scope

Light mobile appliances, instruments, household appliances, power lighting and other flexible use places. Residential buildings, kitchens, lighting service halls or portable lighting instruments or used in areas with higher temperatures. Internal connections of equipment, patch panels and switches. Inside electrical equipment or lighting fixtures. Internal connections between components of manufacturing and processing machines, including machine tools and lifting and transportation equipment. Fire conditions require low smoke and halogen-free environments. Places that threaten human life or flammable materials such as industry, public buildings, hotels, subway systems, hospitals, etc.

Features

The allowable operating temperature should not exceed 90°C, insulation thickness, easy to cut and peel

Product Structure

Conducto	Number of cores	Insulatio	Sheath	Insulation colo	Sheath color
0.1-300mm ²	1-61	PVC PE XLPE	PVC PE XLPE	more than 11 colors available	mainly black and gray

Specialty Cables

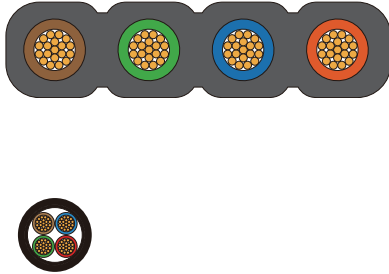
- YG High temperature resistant silicone rubber single core cable
- AFPF high-temperature resistant PTFE shielded cable
- AF high-temperature resistant PTFE insulated cable
- YFFB towing flat cable
- YFFP towing flat shielded cable



Industrial Cable Product Catalog



(Partial product display, please see the product brochure for details)



Application scope

It is suitable for electrical connections with temperature resistance requirements inside industrial equipment, including electrical cabinets, control rooms, connectors, etc. It can also be used for lighting, etc. It is suitable for use between electronic and electrical equipment and instrument lines in the fields of aviation, aerospace, weapons, ships, and communications. Electrical connections, crane equipment, ground conveyor systems, and accompanying cables for driving control units.

Product Structure

Conducto	Number of cores	Insulatio	Sheath	Insulation colo	Sheath color
0.1-300mm²	1-61	PVC	PVC	more than 11 colors available	mainly black and gray

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