

Product Manual 15th

Professional Manufacturer of Industrial Connectors

2019 Version

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www.cnlinko.com

■ Continuous and reliable partner

In this fast growing society, LINKKO is committed to sustainable development, creating long-term partnerships and keeping promises. Our success comes from continuous innovation- new, outstanding creation and accurate customer positioning. Over the past decade or so, LINKKO productis updating industry standard, and today, as in the past, we are always ready for change. Capture customer needs and forecast market trends. The future of the company is built on past success. LINKKO is not only a supplier, but also a reliable partner. LINKKO stands for innovation, high quality and sustainable development.

■ Quality - long term added value

High-quality staff, cutting-edge production equipment and standardized production process ensure the best quality of products. LINKKO provides all products that meet the requirements of high quality. We have been using superior production materials, a full range of standardized production processes, and improve the process, and continue to adhere to. Because of these, we maintain a high degree of customer satisfaction. The interaction of reliability, creativity and high quality creates tangible benefits for our customers.

■ Innovation is always one step ahead

Our innovation is based on the long-term accumulation of experience, LINKKO has been using cutting-edge materials and standardized process, continue to create unique products and solutions, and set new industry standards worldwide. LINKKO unremitting efforts in the field of research and development, inspire us to provide more value-added, innovative products in the future.



Who Are We?

■ Linko has been focusing on industrial waterproof connectors for 15 years

The company was founded in 2004, is a research and development, production of high-performance connector products, is committed to high-end connectivity solutions enterprises. The company is located in Pengzhou industrial park, Fuyuan 1st road Fuyong street, Baoan district, Shenzhen, covering an area of more than 6000m² advanced automation production equipment, annual production capacity of 6 million sets. The products of the company, with more than 40 patents technology, in 2016 is evaluated "the national high and new technology enterprise". The industry to create a first-class company, powerful experiential measure, has a professional development team, stable and reliable management process, rigorous supply chain management. We can make it the leading industry and the guarantee of the international community.

■ Dynamic Linko Highlights Technology

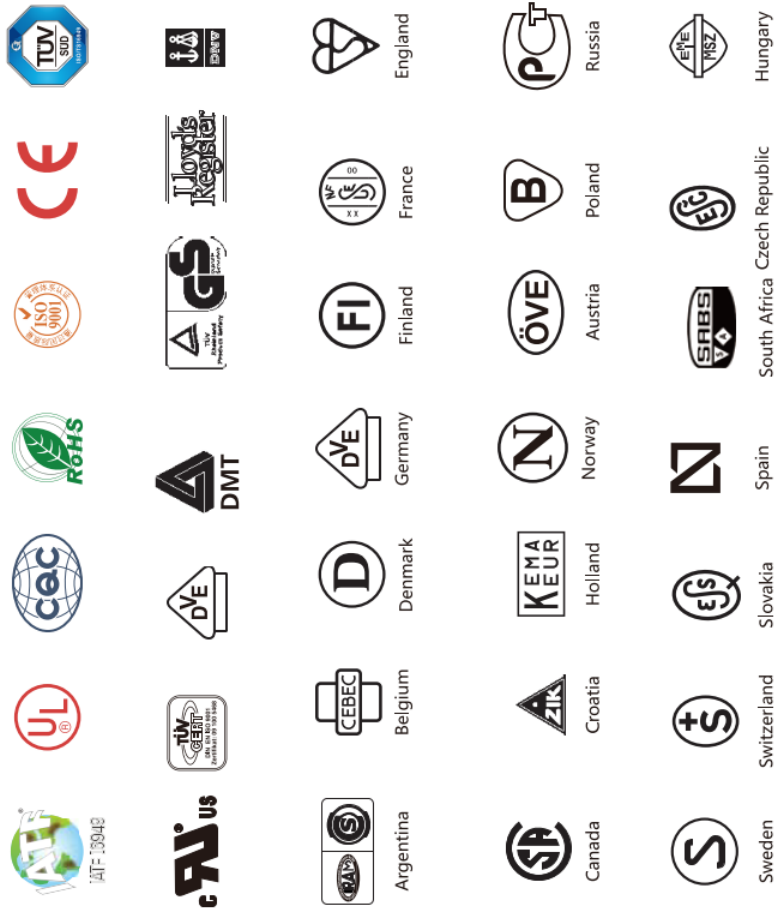
- We keep our words is our commitment to customer service and guarantee;
- Doing what we say is the premise for linko to be in a leading position in this field and maintain a good and lasting cooperative relationship with customers.
- Guaranteed product quality and complete after-sales service are linko's commitment to customers. Please trust your vision! Companies adhering keeping to the "honesty and credit, quality
- First leading technology, excellence;
- Customer first, timely delivery;
- Full participation and continuous improvement of "quality policy", Passed CQC and UL, CE, RoHS, IATF 16949, IP67, ISO9001 certification.



■ The quality of our products is trustworthy

The quality of Linkko's products is trustworthy in the continuous efforts to forge ahead, these are not our highest requirements, we have to protect all product escort. LINKKO industrial connectors comply with relevant national and international standards. Due to some special national standards, not every product can accept international certification.

■ Certifications



15 Years Of Development



Certificates

Through years of efforts, Linko is committed to the connector will be in the international leading level, in the field of industrial connector master the core connection technology, with a number of professional R & d team in the aviation connector has obtained a number of international qualification certification.



High and new technology enterprise



Invention Patents



UL Certification



CQC Certification



ISO9001 Certification



RoHS Certification



TUV Certification



IP67 Certification

Engineering R&D team

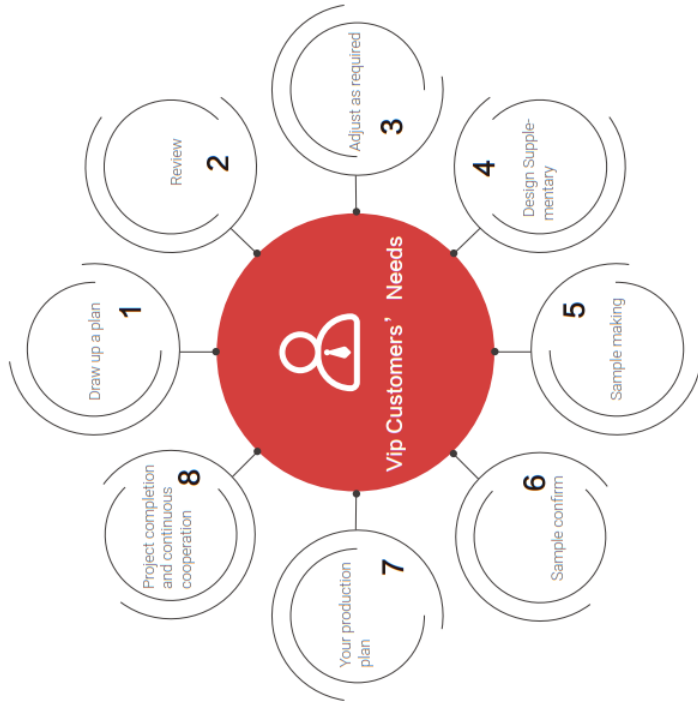
Passion makes our technical innovation continuously extended and preciseness makes our product quality more guaranteed. Excellent design teams make your ideas come true. Rigorous engineering development process makes every step into order. The international advanced material supply guarantees the quality of each product. It is our permanent mission to make your products more value-added.

- Innovation Ability
- Design Ability
- Test Verification Ability
- Normation And Collaboration
- Team Work

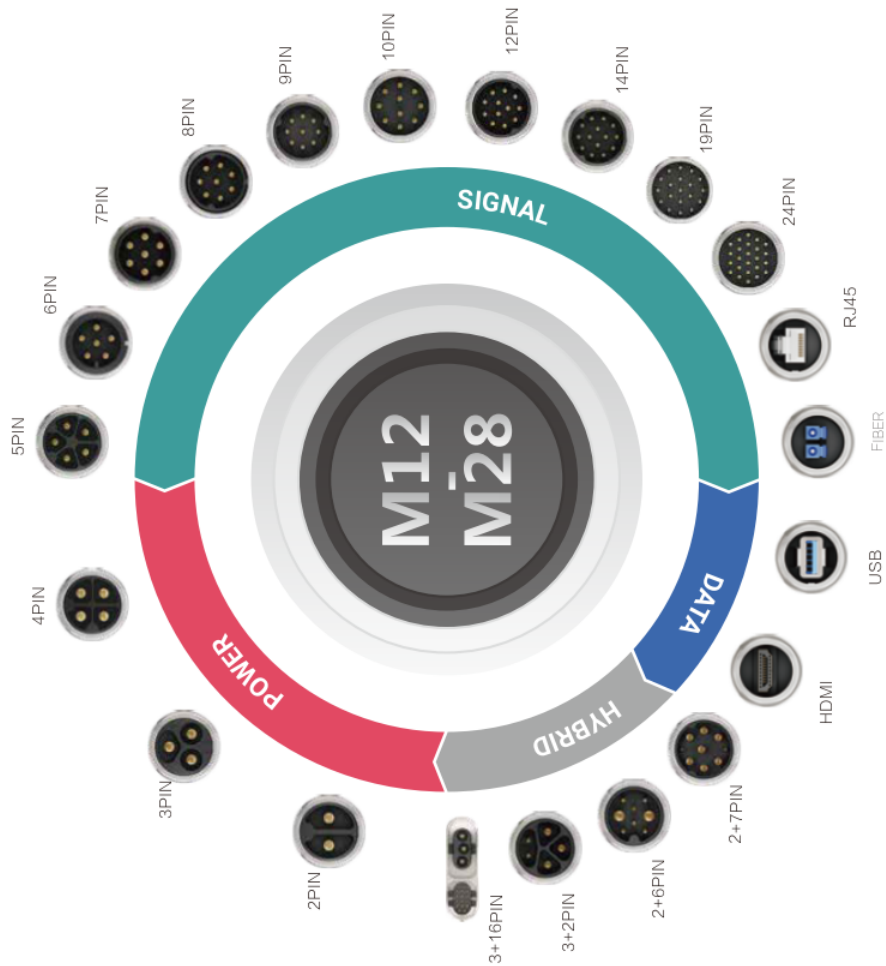


Engineering Process

Linko can support you in every step of the project



Comprehensive Application Introduction



Application Case Introduction

Application Case Of LED Display

Linko adheres to the concept of providing excellent customer experience and provides customers with innovative products and engineering solutions. Technology-oriented and innovation-driven. In the pursuit of stable and reliable products, at the same time, committed to more aspects to meet the LED display electronic components of higher standards and more stringent requirements, to provide LED display more secure, more intelligent, more stable solutions

Application Equipment: LED Cabinet

Application Products: LP-20,YF-24, YT-RJ45 and so on





Application Case Of New Energy

With the continuous development and progress of new energy industry, new requirements are put forward for connection technology. Linko provides a variety of innovative equipment connectors for different applications in the new energy industry. These device connectors contain power, data, and signals, and can be installed in a variety of ways.

Application equipment: solar signal lamp, new energy vehicle, solar circuit board, new energy street lamp, RV industry, etc
 Application Products: LP-16, LP-20, YW-16, LP-28

Application case of Security Equipment

Visual security information equipment for people's lives to provide a variety of powerful security. The stability of security monitoring system to the connecting equipment, the transmission rate of information, the stability of current become the new equipment to the connector Requirements. Linker electrical connectors through a variety of security detection systems for your equipment to provide a strong connection protection.

Application equipment: computer room monitoring system, information security door, outdoor video monitor
 Application products: LP-12, LP-16, LP-20, BD-24, LP-24



Application Case Of Electronic Equipment

Linko provides waterproof connectors of different types and different electrical Functions, which are widely used in many kinds of electronic devices, such as M12, M16 and YU-USB. Different shell materials and customizable services offer more connectivity possibilities.

Application equipment: Signal Transmission instrument , 3D printer
 Application product: LP-16, LP-20, YW-16, LP-28



Application Case Of Automatic Equipment

With the change and development of industry, more and more automation equipments are used in industrial production, more Lean controllable production become the focus of people-attention.

Onlinko designs waterproof connectors of various models for automatic equipment, which provides solutions for industrial automatic equipment connection.

Application equipment: automatic equipment control box
 Application product: LP-20, BD-24, DH-24, YU-USB, YTRJ45



Application case of communications-equipment

With the 5G times coming, fast communication has become the basic requirements of communication industry equipment. Whether large-scale communication base station

Or industrial information transmission system, linko can provide full power, signal, data connection solution for you. The fast, convenient, stable and effective connection mode has been chosen by many equipments.

Application equipment: Signal transceiver
Application product: LP-12, LP-16, YFRJ45, YW-16

Application Case Of Lighting

From tracing lamp in stages to landscape lights in underwater parks, the lighting connection technique of linko is improving continuously. Whether to create new connection or to enhance connection design, linko is your provider of lighting equipment solutions that provides stable lighting power and signal connection.

Application equipment: Plant growth lighting, city landscape lighting, street lighting and stage spot lighting.

Application product: LP-20, YW-20, YA-20, YW-20



LP Quick Push Pull Locking Waterproof Connector

Linkko LP series waterproof connectors have been widely used in various challenging environments and occasions with its high precision, high quality automatic plugging and self-locking devices. Such as audio-visual equipment, medical equipment, industrial control, detection and measurement equipment, AV systems, radio and television and communications industry and so on.

Simple operation, fast and stable link device, challenging outdoor waterproof performance. To meet the environmental protection requirements of industrial equipment in the world while satisfying the quality.



- M12-M28
- IP Protection Class (Mated): IP67

Linkko LP series multi-applcated connector, Simple operation, fast and stable link device, and its outdoor waterproof property has achieved IP67 IP Protection Class. To meet the environmental protection requirements of industrial equipment in the world while satisfying the quality.

- Series product information:

Series : LP- 12 , LP- 16 , LP- 20 , LP- 24 , LP- 28

Hole size: M12 , M16 , M20 , M24 , M28

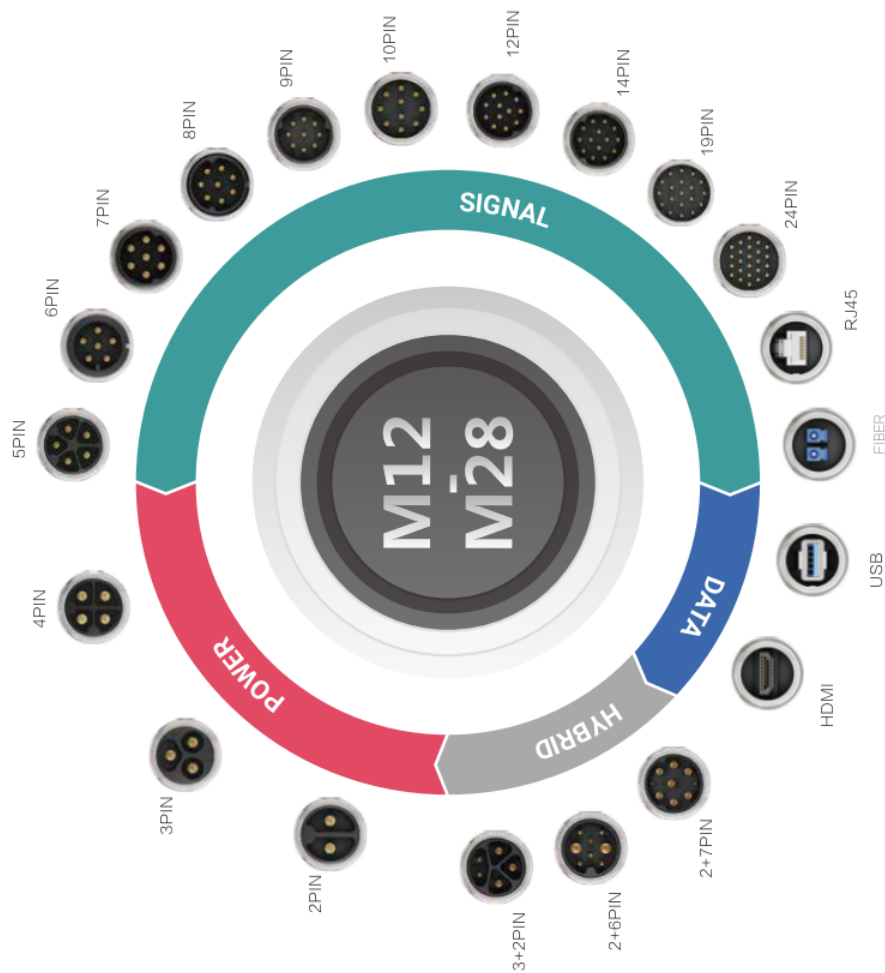
Application type : Multi-core (2 , 3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 12 , 14 , 19 , 24pin and customized 3+2 , 2+6 , 2+7pin)

Signal (RJ45 , Fibre)

Data (USB2.0 , USB3.0 , HDMI)

Material type: plastic , plastic+metal , metal

- Application Of Graphic



DH serials waterproof connector application

DH series waterproof connector, with the characteristics of firmness, precision and stable electrical performance, and be used in various mechanical equipment, such as medical equipment, robot and unmanned aerial vehicles.

DH series connectors are precise and strong, providing power supply, signal and data connection solutions for many mechanical devices. Suitable for front and rear plate installation equipment, can also be used for outside system equipment.

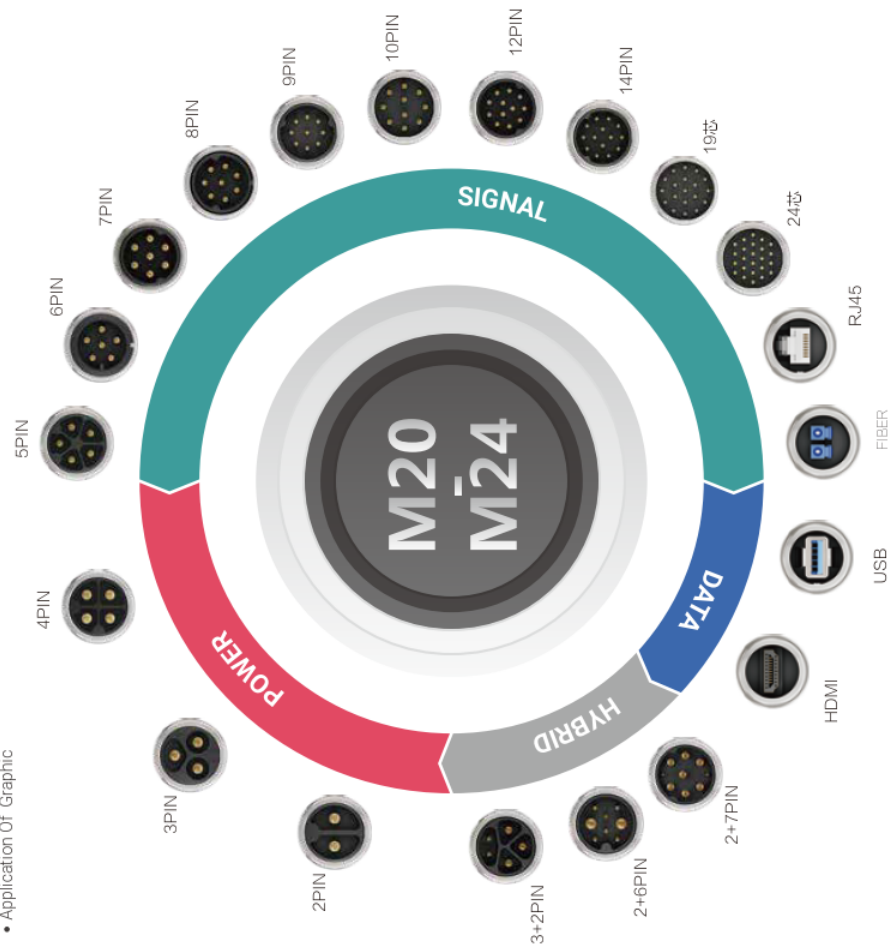
- DH series product information
DH series coding: DH-20, DH-24
opening size: M20, M24
Multi-pins: 2/3/4/5/6/7/9/10/12/19/24 and customized 3+2 2+6 2+7 ,etc.

Signal (RJ45, Optic Fiber)

Data: (USB2.0, USB3.0, HDMI)

Material type: Materials Metal

- Application Of Graphic



DH20 Information Summary

Product Application:

Power: 2/3/4/5pin

Signal: 7/8/9/12/14pin

The voltage can arrive 500v when the power connection is working, rated current 20A (2~4pin)12A(5, 7pin)5A(9, 12, 14pin),the shielded connector can be chosen.

- Multi-core
Cable Range: $\phi 5.0 \sim \phi 13.0 \text{mm}$

DH24 Information Summary

Product Application:

Power: 3/4/5pin

Signal: 7/8/9/12/10/19/24pin, RJ45, FIBRE

Data: USB, HDMI

The voltage can arrive 500v when the power connection is working, rated current 22A(3, 4pin), 10A (10, 12pin)5A(19, 14pin), the shielded connector can be chosen.

- Multi-core
Power Cable range: $\phi 10.0 \sim \phi 14.0 \text{mm}$
- Signal Type
RJ45 Cable Range: $\phi 5.0 \sim \phi 6.5 \text{mm}$
FIBRE Cable Range: $\phi 5.0 \sim \phi 6.5 \text{mm}$
- Data Type
USB Cable Range: $\phi 5.0 \sim \phi 6.5 \text{mm}$
HDMI Cable Range: $\phi 5.0 \sim \phi 6.5 \text{mm}$



YW Waterproof Connector Application Type

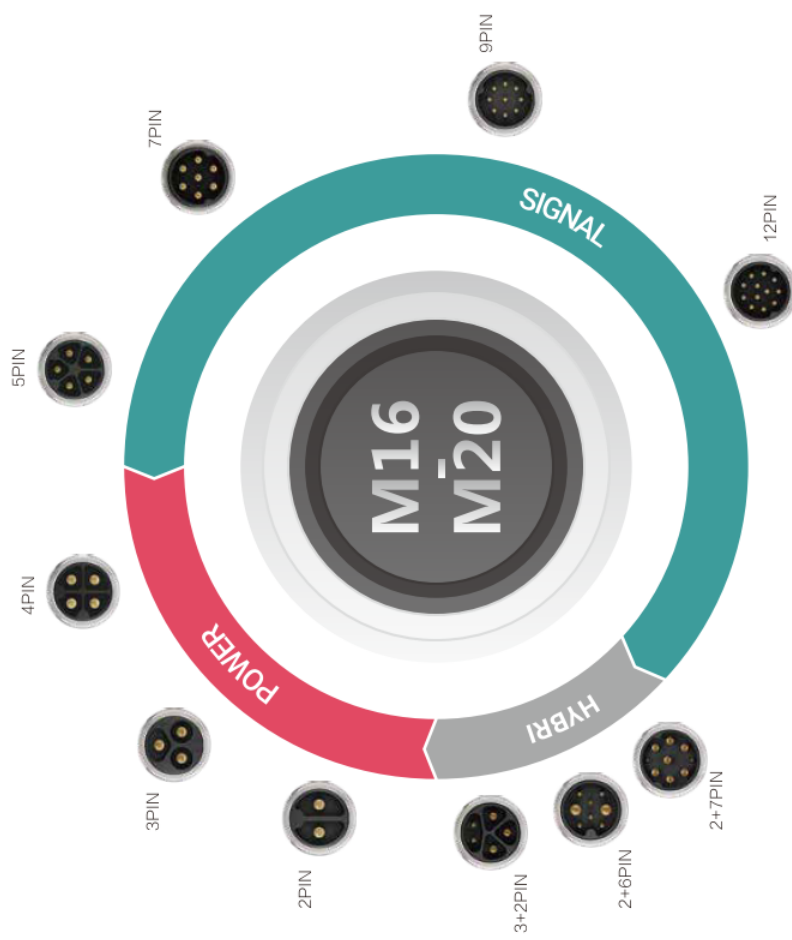
YW series shell using zinc alloy casing, effectively protects against safety and signal shielding, and adopts screw-type locking, which is more firm and reliable. widely used in Industrial LED screen design, audio and video transmission and other industrial equipment use.



Threaded Circular Waterproof Wonnector

Threaded circular waterproof connector use of zinc alloy material shell, effective safety and signal shielding protection, using spiral type Lock tightly, more firm and reliable.

- Product information
Series : YW-16 , YW-20
Size: M16, M20
Pin Number : (2, 3, 4, 5, 7, 8, 9, 12Pin)
Material : Alloy + Plastic PBT
- Application Type:



Product Overview

Size	Series	Material	Product Picture	Power	Multi core	Signal		Data		Cable customization		Specification			
						RJ45	FIBER	USB	HDMI	Product Picture	2~4PIN	5~7PIN	8~14PIN		
M12	LP-12	Plastic / Metal		2PIN		—	—	—	—	—	—	5	3	3	
				3PIN		—	—	—	—	—	—	—	—	—	—
				4PIN		—	—	—	—	—	—	—	—	—	—
M16	LP-16	Plastic / Plastic-Metal / Metal		2PIN				—	—	—	—	10	5	—	
				3PIN		—	—	—	—	—	—	—	—	—	—
				4PIN		—	—	—	—	—	—	—	—	—	—
M16	YW-16	Metal		3PIN		—	—	—	—	—	—	10	5	—	
				2PIN		—	—	—	—	—	—	—	—	—	—
				3PIN		—	—	—	—	—	—	—	—	—	—
M20	LP-20	Plastic / Metal		2PIN		—	—	—	—	—	—	20	10	5	
				3PIN		—	—	—	—	—	—	—	—	—	—
				4PIN		—	—	—	—	—	—	—	—	—	—
M20	DH-20	Metal		2PIN		—	—	—	—	—	—	20	10	5	
				3PIN		—	—	—	—	—	—	—	—	—	—
				4PIN		—	—	—	—	—	—	—	—	—	—
M20	YA-20	Plastic / Metal		2PIN		—	—	—	—	—	—	20	10	5	
				3PIN		—	—	—	—	—	—	—	—	—	—
				4PIN		—	—	—	—	—	—	—	—	—	—
M20	YM-20	Plastic		2PIN		—	—	—	—	—	—	20	10	5	
				3PIN		—	—	—	—	—	—	—	—	—	—
				4PIN		—	—	—	—	—	—	—	—	—	—
M20	YN-20	Metal		2PIN		—	—	—	—	—	—	20	10	5	
				3PIN		—	—	—	—	—	—	—	—	—	—
				4PIN		—	—	—	—	—	—	—	—	—	—
M20	YZ-20	Metal		2PIN		—	—	—	—	—	—	20	10	5	
				3PIN		—	—	—	—	—	—	—	—	—	—
				4PIN		—	—	—	—	—	—	—	—	—	—

Size	Series	Material	Product Picture		Power	Multi core				Signal		Data		Cable customization			Specification			
						10PIN	12PIN	19PIN	24PIN	RJ45	FIBER	USB	HDMI	2~4PIN	8~12PIN	19~24PIN	Current Rating (A)	Cable range (mm)	Ø	
M24	LP-24	Plastic / Metal			3PIN	4PIN	10PIN	12PIN	19PIN	24PIN								25	10	5
					3PIN	4PIN	10PIN	12PIN	19PIN	24PIN								25	10	5
					3PIN	4PIN	10PIN	12PIN	19PIN	24PIN								25	10	5
M28	VF-24	Plastic			2PIN	3PIN	8PIN											20		
					2PIN	3PIN	8PIN											50(2Pin) 35(3Pin)	15	—
					2PIN	3PIN	8PIN											Ø18.0-Ø20.0	Ø13.0-Ø15.0	Ø15.0
YU	USB	Plastic			—	—	—	—	—	—								—	—	—
					—	—	—	—	—	—								—	—	—
YT	RJ45	Plastic / Plastic+Metal			—	—	—	—	—	—								—	1.5	—
					—	—	—	—	—	—								—	—	—