

Green Energy, Green Earth!



Dongguan Maywah Electronics Co., Ltd.

Tel : +86-769-82585619

E-mail : sales@maywahcn.com

Web : www.maywahcn.com

Add : 3F, Jufeng Decheng Industrial Park, 319 Jinxia Yilong Road,
Chang'an Town, Dongguan City, Guangdong Province



Dongguan Maywah Electronics Co., Ltd.



More than 10years experience of solar connectors and related solar products.

Company Profile

Selected materials Ingenuity creation Top industry



Dongguan MayWah Electronics Co., Ltd. was established in 2010. It's a new science and technology enterprise which focus on photovoltaic energy. Maywah integrating research& development, production and sales in simultaneously; And at the same time it continuous innovate application technology and products and achieved significant results.

MayWah main products have solar connectors, solar cable ,solar micro-inverter and solar related solar products. And solar inverter and solar connector got a number of patented technology and international certification (including UL , VDE, INMETRO, TUV, CE, RoHS, UKCA, REACH). Good market forward-looking, excellent product quality and best after-sales service help us get the recognition of the majority customers at home and abroad friends.

We believe that“people-oriented,quality based on”will makes MayWah and all the customers on the way to the bright future.

Production Workshop



Production Equipment

Automated equipment for faster and higher production efficiency.



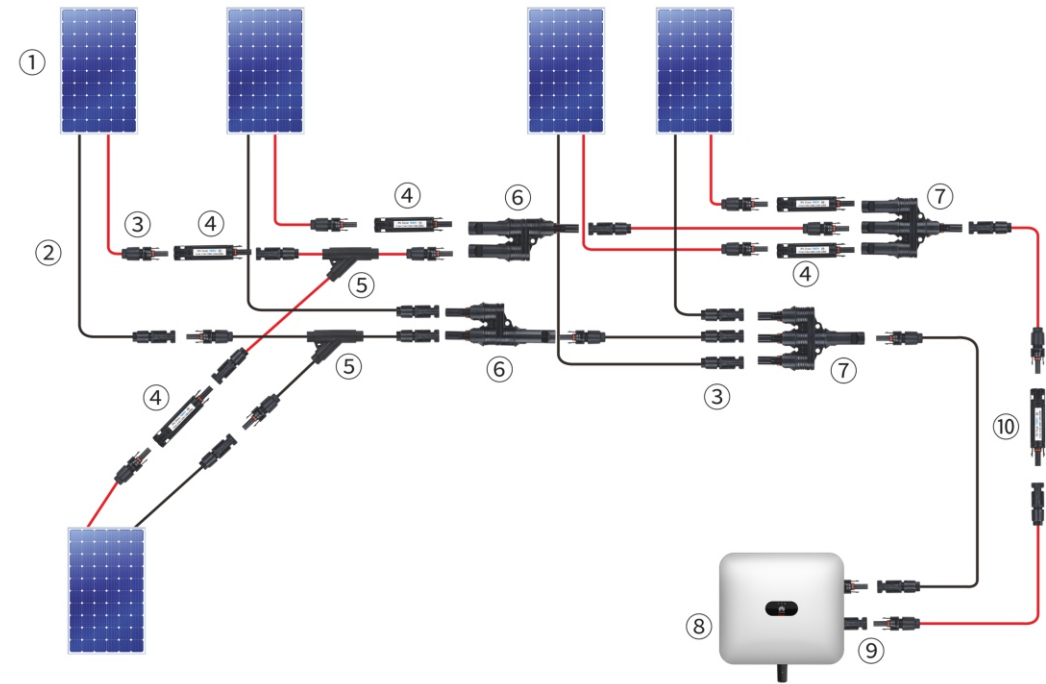
Application Field

Solar connector is one of the core components of photovoltaic power generation system, which is mainly used from solar panel to inverter and combiner box circuit connection.

The products are widely used in photovoltaic modules, photovoltaic power stations, solar street lamp systems and other photovoltaic application scenarios.



Products connection diagram



- ① Solar Panel
- ② Solar PV Cable
- ③ PV-MC Solar Cable Connector
- ④ MC-D Diode Conector
- ⑤ MCY201 Solar Branch Conector
- ⑥ MCH201 Solar Branch Connector
- ⑦ MCH301 Solar Branch Conector
- ⑧ Solar PV Inverter
- ⑨ PV-BMC Solar Panel Conector
- ⑩ MC-F Fuse Connector

Qualification certificate



All the raw materials have environmental test reports such as SGS, REACH, RoHS, MSDS, etc.



Product catalog

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The source manufacturer specializing in the production of PV connectors for more than 10 years.

- Advantage:**
1. UL TUV certification, Quality assurance
 2. Preferred PPO material, Safer insulation
 3. Waterproof grade Ip68, Reliable use

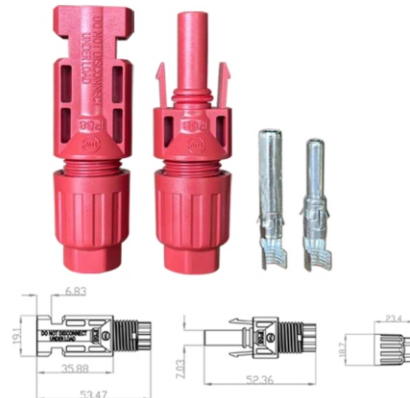
Features: Waterproof、dustproof、Inflaming retarding、Low temperature resistant、Radiation Resistant、anti-aging、high strength、safety、durable、environmental protection

1000V Solar PV Connector

Item No. : PV-MC (New)



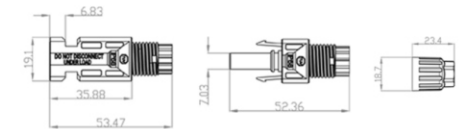
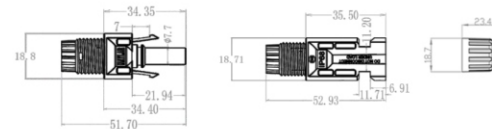
Item No. : PV-MC (Red)



1000V Solar PV Connector

Item N0: PV-MC(UL New style)

Item No.: PV-1MC

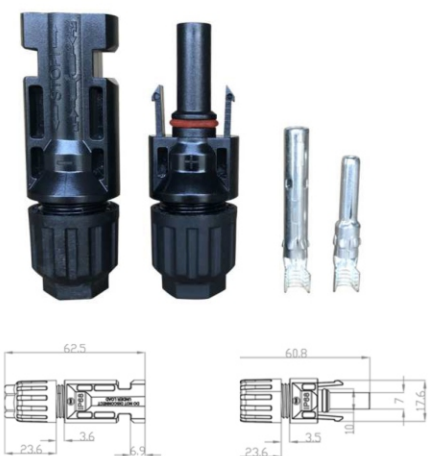


Product Name	PV-MC	PV-MC (Red)	PV-MC (UL New style)	PV-1MC
Rated voltage	1000V	1000V	1000V	1000V
Insulation material	PPO	PPO	PPE+PA	PPO
Conductor material	Copper tin-plated	Copper tin-plated	Copper tin-plated	Copper tin-plated
Ambient temperature	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +95°C
Product temperature	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C
Security class	DCII	DCII	DCII	DCII
Waterproof grade	IP68	IP68	IP68	IP68
Contact resistance	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ
Connection system	Multi-point connection	Multi-point connection	Multi-point connection	Multi-point connection
Self-locking system	Embedded	Embedded	Embedded	Embedded
Wiring method	Crimping	Crimping	Crimping	Crimping
Wiring specifications	2.5mm ² , 4mm ² , 6mm ²	2.5mm ² , 4mm ² , 6mm ²	4mm ² , 6mm ² , 10mm ²	4mm ² , 6mm ²
Rated current	1.5mm ² :17A 2.5mm ² :22.5A 4mm ² ~ 6mm ² :30A	1.5mm ² :17A 2.5mm ² :22.5A 4mm ² ~ 6mm ² :30A	50A	50A
Flame retardant rating	UL94-VO	UL94-VO	UL94-VO	UL94-VO

PV-conconnector

PC material PV connector

Item No. : PV-MC(PC)



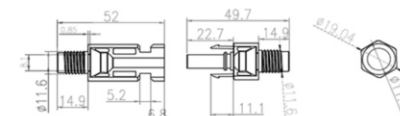
Item N0: PV-MC(PCM2)Quick unlock



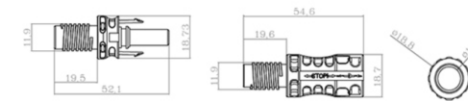
Product Name	PV-MC (PC)	PV-MC(PCM2)
Rated voltage	1000V	1000V
Insulation material	PC	PC
Conductor material	Copper tin-plated	Copper tin-plated
Ambient temperature	-20°C ~ +55°C	-20°C ~ +55°C
Product temperature	-20°C ~ +80°C	-20°C ~ +80°C
Security class	DCII	DCII
Waterproof grade	IP67	IP67
Contact resistance	≤0.5mΩ	≤0.5mΩ
Connection system	Multi-point connection	Multi-point connection
Self-locking system	Embedded	Embedded
Wiring method	Crimping	Crimping
Wiring specifications	2.5mm ² , 4mm ² , 6mm ²	2.5mm ² , 4mm ² , 6mm ²
Rated current	1.5mm ² :17A 2.5mm ² :22.5A 4mm ² ~ 6mm ² :30A	1.5mm ² :17A 2.5mm ² :22.5A 4mm ² ~ 6mm ² :30A
Flame retardant rating	UL94-V2	UL94-V2

Solar Panel connector

Item No. : PV-BMC



Item No. : PV-15BMC



Product Name	PV-BMC	PV-15BMC
Rated voltage	1000V	1500V
Insulation material	PPO	PPO
Conductor material	Copper tin-plated	Copper tin-plated
Ambient temperature	-40°C ~ +95°C	-40°C ~ +95°C
Product temperature	-40°C ~ +135°C	-40°C ~ +135°C
Security class	DCII	DCII
Waterproof grade	IP68	IP68
Contact resistance	≤0.5mΩ	≤0.5mΩ
Connection system	Multi-point connection	Multi-point connection
Self-locking system	Embedded	Embedded
Wiring method	Crimping	Crimping
Wiring specifications	2.5mm ² , 4mm ² , 6mm ²	2.5mm ² , 4mm ² , 6mm ²
Rated current	1.5mm ² :17A 2.5mm ² :22.5A 4mm ² ~ 6mm ² :30A/50A	1.5mm ² :17A 2.5mm ² :22.5A 4mm ² ~ 6mm ² :30A/50A
Flame retardant rating	UL94-VO	UL94-VO

PV-connector

1500V PV diode connector

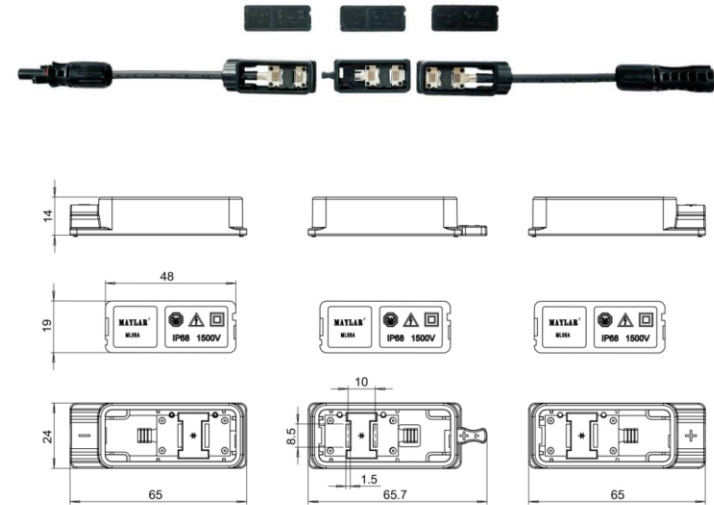
Item No. : MC-1555D



Product Name	MC-1555D
Rated voltage	1500V
Insulation material	PPO
Conductor material	Copper tin-plated
Ambient temperature	-40°C ~ +95°C
Product temperature	-40°C ~ +135°C
Security class	DCII
Waterproof grade	IP68
Contact resistance	≤0.5mΩ
Connection system	Multi-point connection
Self-locking system	Embedded
Insertion force	≤50N
Pulling out force	≥50N
Rated current	55A
Flame retardant rating	UL94-VO

Split junction box

Item No. : ML06A



Product Name	ML06A(20A)	ML06A(25A)	ML06A(30A)
Rated voltage	1500V	1500V	1500V
Insulation material	PPO	PPO	PPO
Conductor material	Copper tin-plated	Copper tin-plated	Copper tin-plated
Ambient temperature	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
Product temperature	-40°C ~ +125°C	-40°C ~ +125°C	-40°C ~ +125°C
Security class	DCII	DCII	DCII
Waterproof grade	IP68	IP68	IP68
Contact resistance	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ
Cable Specifications	4mm ² , 6mm ²	4mm ² , 6mm ²	4mm ² , 6mm ²
Cable length	Regular 30cm (customizable length)	Regular 30cm (customizable length)	Regular 30cm (customizable length)
Waterproof method	Potting glue	Potting glue	Potting glue
Glue filling amount	8g×3	8g×3	8g×3
Rated current	20A	25A	30A
Flame retardant rating	UL94-VO	UL94-VO	UL94-VO

Solar extension cable for solar generation system



The insulation plastic material for this product is PPO and XLPO and the conductor material is copper tin-plated. It with dustproof, waterproof, anti-aging, UV resistant, lightweight , easy connection, safe, long life time features and so on. This product is compatible with all standard MC4 connectors. It is used for DC output of solar panel or extension connection for solar panel output.

This solar extension cable can be customized.

PV extension cable connector

Item No. : MC-C



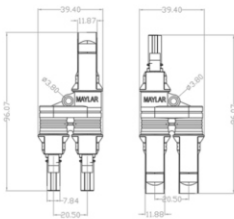
Cable can be customized



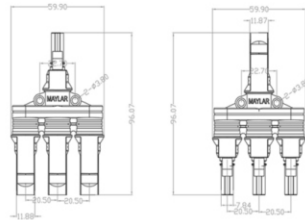
PV-connector

H type branch PV connector

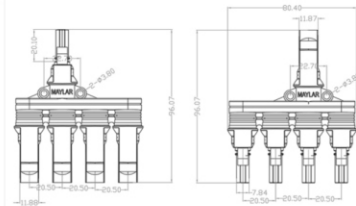
Item No. : MCH201



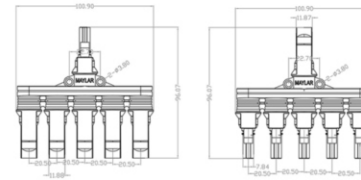
Item No. : MCH301



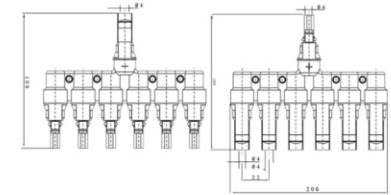
Item No. : MCH401



Item No. : MCH501



Item No. : MCH601

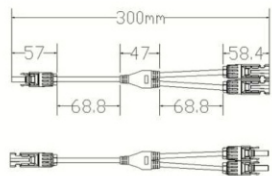


Product Name	MCH201	MCH301	MCH401	MCH501	MCH601
Rated voltage	1000V	1000V	1000V	1000V	1000V
Insulation material	PPO	PPO	PPO	PPO	PPO
Conductor material	Copper tin-plated	Copper tin-plated	Copper tin-plated	Copper tin-plated	Copper tin-plated
Ambient temperature	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +95°C
Product temperature	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C
Security class	DCII	DCII	DCII	DCII	DCII
Waterproof grade	IP68	IP68	IP68	IP68	IP68
Contact resistance	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ
Connection system	Multi-point connection	Multi-point connection	Multi-point connection	Multi-point connection	Multi-point connection
Self-locking system	Embedded	Embedded	Embedded	Embedded	Embedded
Insertion force	≤50N	≤50N	≤50N	≤50N	≤50N
Pulling out force	≥50N	≥50N	≥50N	≥50N	≥50N
Rated current	50A	50A	50A	50A	50A
Flame retardant rating	UL94-VO	UL94-VO	UL94-VO	UL94-VO	UL94-VO

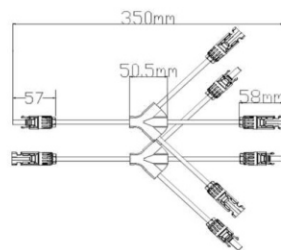
PV-connector

Y type branch PV connector

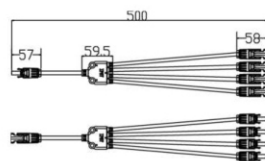
Item No. : MCY201



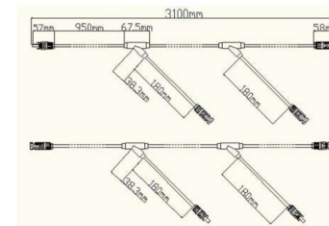
Item No. : MCY301



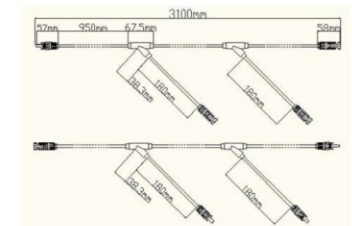
Item No. : MCY401



Item No. : MC-2Y



Item No. : MC-3Y

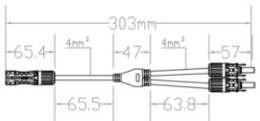
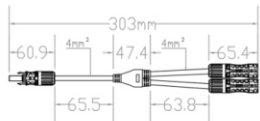


Product Name	MCY201	MCY301	MCY401	MC-2Y	MC-3Y
Rated voltage	1000V	1000V	1000V	1000V	1000V
Insulation material	PPO	PPO	PPO	PPO	PPO
Conductor material	Copper tin-plated	Copper tin-plated	Copper tin-plated	Copper tin-plated	Copper tin-plated
Ambient temperature	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +95°C
Product temperature	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C
Security class	DCII	DCII	DCII	DCII	DCII
Waterproof grade	IP68	IP68	IP68	IP68	IP68
Contact resistance	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ
Connection system	Multi-point connection	Multi-point connection	Multi-point connection	Multi-point connection	Multi-point connection
Self-locking system	Embedded	Embedded	Embedded	Embedded	Embedded
Wiring method	Crimping	Crimping	Crimping	Crimping	Crimping
Wiring specifications	4mm	4mm ²	4mm ² , 6mm ²	4mm ²	2.5mm ² , 4mm ² , 6mm ²
Rated current	30A	30A	30A	1.5mm ² :17A 2.5mm ² :22.5A 4mm ² ~ 6mm ² :30A	1.5mm ² :17A 2.5mm ² :22.5A 4mm ² ~ 6mm ² :30A
Flame retardant rating	UL94-VO	UL94-VO	UL94-VO	UL94-VO	UL94-VO

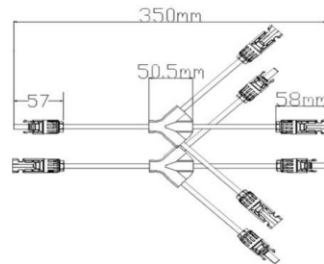
PV-connector

Y type branch PV connector (1500V)

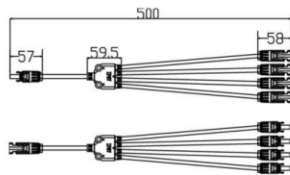
Item No. : 15MCY201



Item No. : 15MCY301

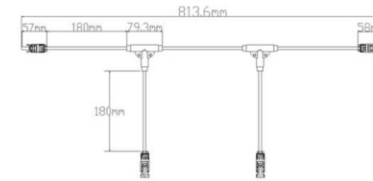


Item No. : 15MCY401

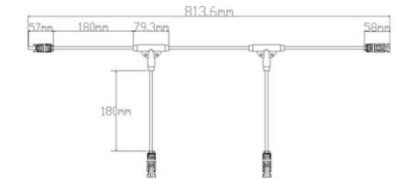


T type branch PV connector

Item No. : MC-2T



Item No. : MC-3T



Product Name	15MCY201	15MCY301	15MCY401	MC-2T	MC-3T
Rated voltage	1500V	1500V	1500V	1000V	1000V
Insulation material	PPO	PPO	PPO	PPO	PPO
Conductor material	Copper tin-plated	Copper tin-plated	Copper tin-plated	Copper tin-plated	Copper tin-plated
Ambient temperature	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +95°C
Product temperature	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C
Security class	DCII	DCII	DCII	DCII	DCII
Waterproof grade	IP68	IP68	IP68	IP68	IP68
Contact resistance	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ
Connection system	Multi-point connection	Multi-point connection	Multi-point connection	Multi-point connection	Multi-point connection
Self-locking system	Embedded	Embedded	Embedded	Embedded	Embedded
Wiring method	Crimping	Crimping	Crimping	Crimping	Crimping
Wiring specifications	4mm	4mm ²	4mm ² , 6mm ²	4mm ²	2.5mm ² , 4mm ² , 6mm ²
Rated current	30A	30A	30A	1.5mm ² :17A 2.5mm ² :22.5A 4mm ² ~ 6mm ² :30A	1.5mm ² :17A 2.5mm ² :22.5A 4mm ² ~ 6mm ² :30A
Flame retardant rating	UL94-VO	UL94-VO	UL94-VO	UL94-VO	UL94-VO

PV-connector Tool kits And PV Cable



PV-connector tool kits

① Crimping pliers

- Capacity:2.5-6mm²
- Length:270mm
- Weight:0.74Kg

② Wire cutters

③ Sunny Twins PV special tool

④ Wire stripper

Automatic rebound spring, no damage conductor

- Stripping length: ≤30mm
- Wire stripping: 0.9-6.0 mm²
- Length: 165mm
- Weight: 0.16kg

⑤ Large crimping pliers

- Capacity:6-50mm²



PV Cable

Features

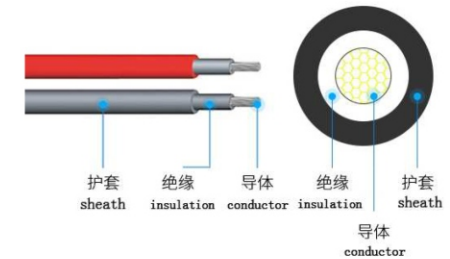
- Insulation material: Halogen free cross-linked polyolefin(XLPO)
- Contact material: Stranded tinned copper
- Sheath material: Halogen free cross-linked polyolefin(XLPO)
- Rated voltage: 1000V/1500V
- Anti-aging, UV resistant
- Certificate: TUV

Application

This cable is specifically designed for connecting photovoltaic system components inside and outside of building and equipment.



Single core wire structure



Item	Unit	Technical parameter		
Rated temperature	°C	-40~ +90		
Rated Rating	ac/dc(kv)	AC U ₀ /U ₀ .6~1.0kv,DC1.5kv		
Cable Core	No.	1		
Cross-Section Area	mm ²	2.5	4.0	6.0
Diameter of wires/ Number	NO./mm	36/0.285mm	56/0.285mm	84/0.285mm
Thickness of the Insulation	mm	≥0.65	≥0.75	≥0.8
Thickness of the Sheath	mm	≥0.65	≥0.7	≥0.75
Outer Dia.	mm	5.3±0.1	5.8±0.1	6.6±0.1
Conductor resistance(20°C)	Ω/km	≤8.21	≤5.09	≤3.39
Voltage test on completed cable	kV/min	6.5/5 No breakdown		

Double core wire structure



Item	Unit	Technical parameter		
Rated temperature	°C	-40~ +90		
Rated Rating	ac/dc(kv)	AC U ₀ /U ₀ .6~1.0kv,DC1.5kv		
Cable Core	No.	2		
Cross-Section Area	mm ²	2.5	4.0	6.0
Diameter of wires/ Number	NO./mm	36/0.285mm x2	56/0.285mm x2	84/0.285m
Thickness of the Insulation	mm	≥0.65	≥0.75	m x2
Thickness of the Sheath	mm	≥0.65	≥0.7	≥0.8
Outer Dia.	mm	11.5x5.3±0.2	13.0x5.8±0.2	≥0.75
Conductor resistance(20°C)	Ω/km	≤8.21	≤5.09	15x7.0±0.2-
The service life of the theory	kV/min	6.5/5 No breakdown ≤3.39		

Remarks: Structure and outsider diameter adjustment with standard requirements without further notified.

Pack And Ship



Factory products with high quality
Source manufacturer, Feel comfortable to buy