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Low Voltage ABC Accessories

Product Catalogue

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Also available:

- Cable Lugs and Connectors Product Catalogue
- Heat Shrink Product Catalogue

MELEC Make Cable Connections More Reliable

ABOUT MELEC

Shanghai JiaMeng Electrical Equipment Co., Ltd. also known as MELEC, was founded in 1992. In 2011, both of our subsidiaries, Jiangsu JiaMeng Electrical Equipment Co., Ltd. and Shanghai Jiameng International Trading Co., Ltd. were formed. We are specialized in production of high quality cable accessories. Our company has expanded to more than 500 employees with a factory compound of more than 50,000 square meters. Our products include cable lugs, cable connectors, aerial bundle cable accessories, and heat shrink accessories.

OUR PROGRESS

Directed by a group of experienced professionals and certified by ISO 9001:2008 Quality Management Systems, most of our products have met IEC and NFC international standard. By matching up with the highest requirements along with our up ever advancing technology, MELEC is gradually gaining reputation in both quality and reliability.

Our in-house laboratory has been established for over a decade, and our combined experience and state of the art equipment enable us to bring more value to our customers. We have offered 500 different products and are sold to over 100 countries across the globe. We will continue our dedicated effort to improve product performance and reliability with our expertise and resources.

OUR VALUES

Our mission is to make the best of what we do, we determine to provide quality products and services to our customers, and help our customers to achieve their goals. We are forerunners in many areas of our field, and we will continue to improve ourselves to set the industry's trend.

We have exceptional business ethic and work ethic, we value the importance of honesty, and we always get things done as we promised. We believe reliable products come from responsible people. We look forward to providing new product offerings, expanded technical support and improved service to help your business reach the highest level of success.



Three main types of LV-ABC system according to HD626



Self-supporting LV-ABC lines

The self-supporting system consists of 4 insulated aluminium alloy conductors. The 4 insulated conductors hold the same mechanical strength and cross section. When straining the line, all 4 conductors are allocated to share the pulling force identically. Additional 1 or 2 insulated aluminium conductors with cross sections of 16 mm² or 25mm² may be applied as pilot wire or for street lighting.



LV-ABC lines with insulated neutral messenger

LV-ABC line with insulated neutral messenger wire system consists of 3 insulated aluminium alloy phase conductors and 1 insulated aluminium alloy neutral messenger. The 3 insulated phase conductors hold the same mechanical strength and cross section while the insulated neutral conductor holds higher mechanical strength. When straining the line, only the insulated neutral conductor is loaded as the suspension unit. Additional 1 or 2 insulated aluminium conductors with cross sections of 16 mm² or 25 mm² may be applied as pilot wire or for street lighting.



LV-ABC lines with bare neutral messenger

LV-ABC Line with bare neutral messenger wire system consists of 3 insulated aluminium alloy phase conductors and 1 aluminium alloy neutral messenger without insulation. The 3 insulated phase conductors hold the same mechanical strength and cross section while the bare neutral conductor holds higher mechanical strength. When straining the line, only the bare neutral conductor is loaded as the suspension unit. Additional 1 or 2 insulated aluminium conductors with cross sections of 16 mm² or 25mm² may be applied as pilot wire or for street lighting.

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01/03

Insulation Piercing Connector

1. Insulation Piercing Connector



JBC, INSULATION PIERCING CONNECTOR

The JBC insulation piercing connectors are applicable for all types of LV-ABC conductors as well as connections in service line system, building electrical system and street lighting system. Installation of JBC can be easily done by tightening the bolts to force the teeth penetrate the insulation of main line and tap line simultaneously. Stripping of insulation is avoided for both lines.



- Main line: Insulated aluminium cable
- Tap line: Insulated aluminium cable or Insulated copper cable
- Body is moulded from tough and weather resistant materials
- Special designed shear head bolt allows efficient installation under controlled shear torque which ensure the contact teeth properly penetrate the conductor without damaging the mechanical strength of the conductor
- Tested for watertightness at the voltage of 6kV for 1min under water
- Safe live-line installation
- Seals and grease are applied to prevent moisture entering the cable and connector which guarantees excellent waterproof and corrosion resistant performance
- End cap is attached to the body. No loose parts could fall to ground during installation
- Standard: EN 50483-4, NFC 33-020, NFC 33-004

Type	Main Conductor Size(mm ²)	Tap Conductor Size(mm ²)	Bolts	Box (pcs)	Pack (pcs)
JBC10-35/1.5-6	10-35	1.5-6	1	45	180
JBC16-70/1.5-10	16-70	1.5-10	1	45	180
JBC6-35/6-35	6-35	6-35	1	30	120
JBC16-70/6-35	16-70	6-35	1	30	120
JBC16-70/16-70	16-70	16-70	1	15	60
JBC16-95/2.5-35	16-95	2.5-35	1	15	60
JBC35-70/6-35	35-70	6-35	1	15	60
JBC25-95/25-95	25-95	25-95	1	10	40
JBC25-120/25-120	25-120	25-120	1	10	40
JBC25-120/25-120/B	25-120	25-120	1	15	60
JBC35-150/6-35	35-150	6-35	1	15	60
JBC35-150/35-150	35-150	35-150	1	10	40
JBC35-150/35-150-A	35-150	35-150	1	10	40
JBC95-185/6-35	95-185	6-35	1	20	80
JBC120-240/25-120	120-240	25-120	1	12	48
JBC35-150/35-150/2	35-150	35-150	2	6	24
JBC35-185/35-185/2	35-185	35-185	2	6	24
JBC95-240/95-240/2	95-240	95-240	2	6	24

Fork wrench please refer to JCQ, Page 30

JBT,INSULATION PIERCING CONNECTOR

The JBT insulation piercing connectors are applicable for the low voltage aerial cables. These connectors are used to establish connections between bare aluminium cable and insulated aluminium cable. Installation of JBT can be easily done by tightening the bolts while the main line and tap line are connected simultaneously. Stripping of insulation is avoided for tap line.



- Body is moulded from tough and weather resistant materials
- Special designed shear head bolt allows efficient installation under controlled shear torque which ensure the contact teeth properly penetrate the conductor without damaging the mechanical strength of the conductor
- Seals and grease are applied to prevent moisture entering the cable and connector which guarantees excellent waterproof and corrosion resistant performance
- End cap is attached to the body. No loose parts could fall to ground during installation
- Standard: EN 50483-4, NFC 33-020, NFC 33-004

Type	Main Conductor Size(mm ²)	Tap Conductor Size(mm ²)	Bolts	Box (pcs)	Pack (pcs)
JBT35-95/6-35	35-95	6-35	1	15	60
JBT35-120/25-95	35-120	25-95	1	8	32

JBD,INSULATION PIERCING CONNECTOR

The JBD insulation piercing connectors are applicable for the low voltage aerial cables. These connectors are used to establish T-connections and Joint-connections. Connection of main line is established by insulation piercing without stripping of insulation. Connection of tap line is established by insert tap conductor into the bore after stripping of insulation. Shear head bolts applied for both connections.



- Equipped with insulating cover which also has excellent waterproof feature
- Standard: EN 50483-4, NFC 33-020

Type	Main Conductor Size(mm ²)	Tap Conductor Size(mm ²)	Bolts	Pack (pcs)
JBD16-25/4-25	16-25	4-25	1	80
JBD35-70/6-25	35-70	6-25	1	80
JBD35-95/4-50	35-95	4-50	1	80
JBD35-95/6-50	35-95	6-50	1	80
JBD35-70/35-70/2	35-70	35-70	2	80
JBD35-95/6-50/2	35-95	6-50	2	80
JBD70-150/4-50/2	70-150	4-50	2	60

04/09

Pre-insulated Lug and Connector

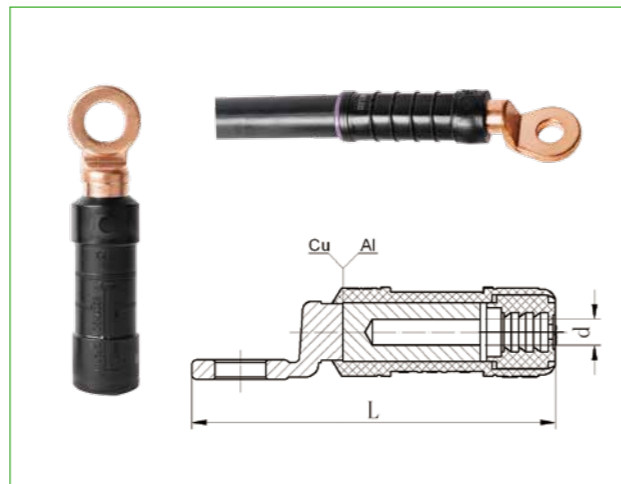
- 1.Pre-insulated Bimetal Lug
- 2.Pre-insulated Aluminium Connector
- 3.Mechanical Pre-insulated Piercing Connector
- 4.Underground Insulation Piercing Connector



CPTAU, PRE-INSULATED BIMETAL LUG

The CPTAU pre-insulated bimetal lug is used to establish connection between LV-ABC cable and electrical equipments. Palm is made of 99.9% pure copper and sleeve is made of 99.5% pure aluminium.

- Stripping of cable insulation is required before insertion
- Clear marks moulded onto the connector body, information including crimping sequence and frequency; Cable size; Stripping length of cable; Crimping Die size
- Cross-section of conductor can be easily identified by the color code of elastomeric rings
- Elastomeric ring and pre-filled grease enable superwaterproof performance
- Watertightness test carried out at 6kV for 1 minute under water
- Insulation tube is made of weather and UV resistant polymer
- Prefilled with jointing compound
- Standard: EN 50483-4 , NFC 33-021

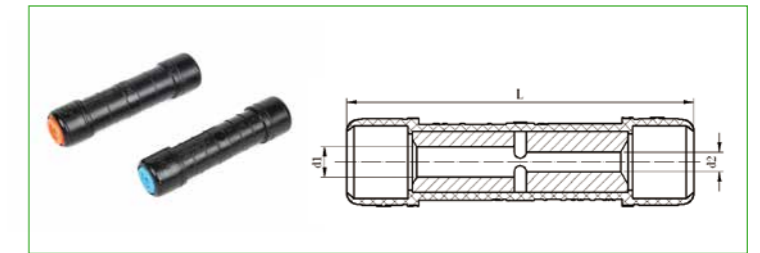


Type	Conductor Size (mm ²)	Stud Size	d (mm)	L	Color Code	Crimping Die Size	Box (pcs)	Pack (pcs)
CPTAU16-10	16	M10	5.3	75	blue	E140	120	480
CPTAU25-12	25	M12	6.5	100	orange	E173	50	200
CPTAU35-12	35	M12	7.9	100	red	E173	50	200
CPTAU50-12	50	M12	8.8	100	yellow	E173	50	200
CPTAU54.6-12	54.6	M12	10	100	black	E173	50	200
CPTAU70-12	70	M12	10.4	100	white	E173	50	200
CPTAU95-12	95	M12	12.3	100	grey	E173	50	200
CPTAU120-12	120	M12	14.2	118	pink	E215	30	120
CPTAU150-12	150	M12	15.5	118	violet	E215	30	120

Crimping tool please refer to JM-240F, page 30

MJPB, PRE-INSULATED ALUMINIUM CONNECTOR

The MJPB pre-insulated connector is designed for service and lighting cables.



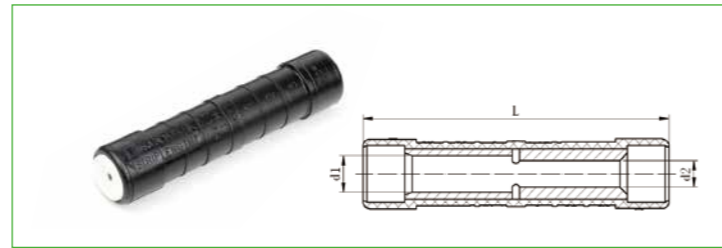
- Stripping of cable insulation is required before insertion
- Clear marks moulded onto the connector body, information including crimping sequence and frequency; Cable size; Stripping length of cable; Crimping Die size
- One die size E140 for all connectors
- Cross-section of conductor can be easily identified by the color code of rings
- Elastomeric ring and pre-filled grease enable super waterproof performance
- Watertightness test carried out at 6kV for 1 minute under water
- Insulation tube is made of weather and UV resistant polymer
- Standard: EN 50483-4 , NFC 33-021

Type	Conductor Size(mm ²)	Dimension (mm)			Color Code	Crimping Die Size	Box (pcs)	Pack (pcs)
		d1	d2	L				
MJPB4/4	4	2.9	2.9	74	ivory	E140	120	480
MJPB4/6	4/6	3.3	2.9	74	ivory/brown	E140	120	480
MJPB4/10	4/10	4.3	2.9	74	ivory/green	E140	120	480
MJPB4/16	4/16	5.3	2.9	74	ivory/blue	E140	120	480
MJPB4/25	4/25	6.5	2.9	74	ivory/orange	E140	120	480
MJPB6/6	6	3.3	3.3	74	brown	E140	120	480
MJPB6/10	6/10	4.3	3.3	74	brown/green	E140	120	480
MJPB6/16	6/16	5.3	3.3	74	brown/blue	E140	120	480
MJPB6/25	6/25	6.5	3.3	74	brown/orange	E140	120	480
MJPB6/35	6/35	7.9	3.3	74	brown/red	E140	120	480
MJPB10/10	10	4.3	4.3	74	green	E140	120	480
MJPB10/16	10/16	5.3	4.3	74	green/blue	E140	120	480
MJPB10/25	10/25	6.5	4.3	74	green/orange	E140	120	480
MJPB10/35	10/35	7.9	4.3	74	green/red	E140	120	480
MJPB16/16	16	5.3	5.3	74	blue	E140	120	480
MJPB16/25	16/25	6.5	5.3	74	blue/orange	E140	120	480
MJPB16/35	16/35	7.9	5.3	74	blue/red	E140	120	480
MJPB16/50	16/50	8.8	5.3	74	blue/yellow	E140	120	480
MJPB25/25	25	6.5	6.5	74	orange	E140	120	480
MJPB25/35	25/35	7.9	6.5	74	orange/red	E140	120	480
MJPB25/50	25/50	8.8	6.5	74	orange/yellow	E140	120	480
MJPB35/35	35	7.9	7.9	74	red	E140	120	480
MJPB35/50	35/50	8.8	7.9	74	red/yellow	E140	120	480

Crimping tool please refer to JM-240F, page 30

MJPT, PRE-INSULATED ALUMINIUM CONNECTOR

The MJPT pre-insulated connectors are designed for LV-ABC systems with a neutral messenger. The MJPT is used on the phase conductor .



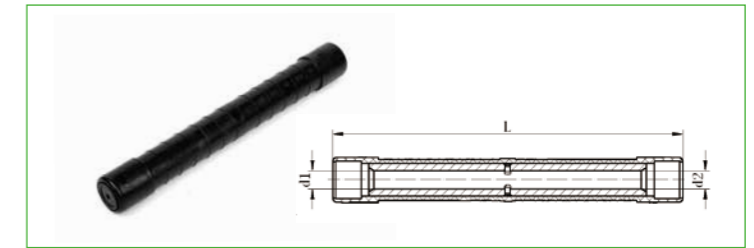
- Stripping of cable insulation is required before insertion
- Clear marks moulded onto the connector body, information including crimping sequence and frequency; Cable size; Stripping length of cable; Crimping Die size
- Cross-section of conductor can be easily identified by the color code of rings
- Elastomeric ring and pre-filled grease enable super waterproof performance
- Watertightness test carried out at 6kV for 1 minute under water
- Insulation tube is made of weather and UV resistant polymer
- Standard: EN 50483-4 , NFC 33-021

Type	Conductor Size(mm ²)	Dimension (mm)			Color Code	Crimping Die Size	Box (pcs)	Pack (pcs)
		d1	d2	L				
MJPT10/10	10	4.3	4.3	98.5	green	E173	60	240
MJPT16/10	16/10	5.3	4.3	98.5	blue/green	E173	60	240
MJPT16/16D	16	5.3	5.3	98.5	blue	E173	60	240
MJPT25/25	25	6.5	6.5	98.5	orange	E173	60	240
MJPT35/25	35/25	7.9	6.5	98.5	red/orange	E173	60	240
MJPT35/35	35	7.9	7.9	98.5	red	E173	60	240
MJPT50/25	50/25	8.8	6.5	98.5	yellow/orange	E173	60	240
MJPT50/35	50/35	8.8	7.9	98.5	yellow/red	E173	60	240
MJPT50/50	50	8.8	8.8	98.5	yellow	E173	60	240
MJPT54.6/25	54.6/25	10.2	6.5	98.5	black/orange	E173	60	240
MJPT70/25	70/25	10.4	6.5	98.5	white/orange	E173	60	240
MJPT70/35	70/35	10.4	7.9	98.5	white/red	E173	60	240
MJPT70/50	70/50	10.4	8.8	98.5	white/yellow	E173	60	240
MJPT70/70	70	10.4	10.4	98.5	white	E173	60	240
MJPT95/35	95/35	12.2	7.9	98.5	grey/red	E173	60	240
MJPT95/50	95/50	12.2	8.8	98.5	grey/yellow	E173	60	240
MJPT95/70	95/70	12.2	10.4	98.5	grey/white	E173	60	240
MJPT95/95	95	12.2	12.2	98.5	grey	E173	60	240
MJPT120/120	120	14.3	14.3	133	pink	E215	30	120
MJPT150/70	150/70	15.5	10.4	133	violet/white	E215	30	120
MJPT150/95	150/95	15.5	12.2	133	violet/grey	E215	30	120
MJPT150/150	150	15.5	15.5	133	violet	E215	30	120

Crimping tool please refer to JM-240F, page 30

MJPTN, PRE-INSULATED ALUMINIUM CONNECTOR

The MJPTN pre-insulated connectors are designed for LV-ABC systems with a neutral messenger. The MJPTN is used on the neutral conductor.



- Stripping of cable insulation is required before insertion
- Clear marks moulded onto the connector body, information including crimping sequence and frequency; Cable size; Stripping length of cable; Crimping Die size
- Cross-section of conductor can be easily identified by the color code of rings
- Elastomeric ring and pre-filled grease enable super waterproof performance
- Pre-filled with jointing compound
- Watertightness test carried out at 6kV for 1 minute under water
- Insulation tube is made of weather and UV resistant polymer
- Standard: EN 50483-4 , NFC 33-021

Type	Conductor Size (mm ²)	Dimension (mm)			Color Code	Crimping Die Size	Box (pcs)	Pack (pcs)
		d1	d2	L				
MJPTN54.6/54.6	54.6	10.2	10.2	173.5	black	E173	40	160
MJPTN54.6/70	54.6/70	10.2	10.6	173.5	black/white	E173	40	160
MJPTN70/70	70	10.6	10.6	173.5	white	E173	40	160
MJPTN95/95D	95	13.4	13.4	175.5	grey	E215	24	96

Crimping tool please refer to JM-240F, page 30

BPC, MECHANICAL PRE-INSULATED PIERCING CONNECTOR

The BPC waterproof insulated mechanical connector is designed for service and lighting cables.



- Made of aluminium alloy and weather resistant polymer with excellent waterproof feature
- Stripping of insulation is avoided by piercing connection
- Shear head bolts applied allows crimping-free installation
- Insulated screw guarantees safe live-line installation
- Large range of conductor size from 4 to 35 mm²
- No loose parts could fall to ground during installation
- Standard: EN 50483-4, NFC 33-020

Type	Conductor Size(mm ²)	Box(pcs)	Pack (pcs)
BPC- P4-35	4-35	30	120

UJBC, UNDERGROUND INSULATION PIERCING CONNECTOR

Application: applicable to branch connection of 0.6/1KV underground cable.

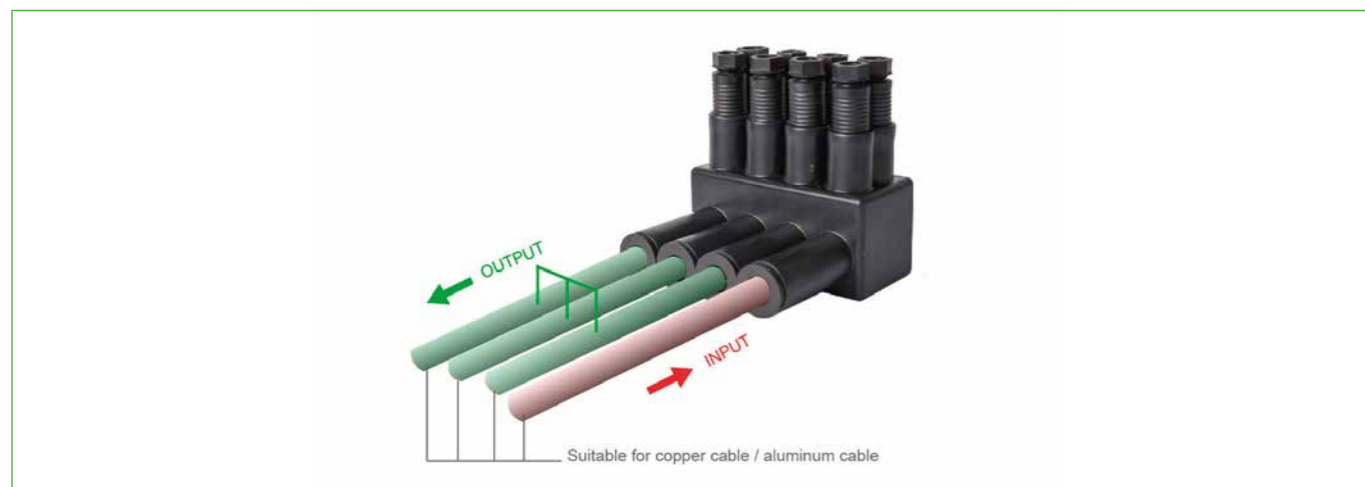
Material: aluminium alloy, TPE, PBT

Feature:

- product body and teeth are both made of high strength aluminium alloy, tin-plated on surface
- plastic torque bolt (A/F17), to ensure reliability of installation
- the shell and plastic cap are both injection molded by TPE material, to ensure product durable sealing performance underwater
- the hole and rubber cap are pre filled insulating silicone grease, to ensure product insulation performance
- observe whether the cable installed in position through transparent window
- no need to strip cable sheath, insert for use directly
- Standard: ANSI C119.1



Type	Conductor Size(mm ²)		Pack (pcs)
	Al	Cu	
UJBC2.5-150/3P	10-150	2.5-120	20
UJBC2.5-150/4P	10-150	2.5-120	24
*UJBC2.5-150/5P			
UJBC2.5-150/6P	10-150	2.5-120	10



* Product is still in development, detailed information please consult sales

10/13

Fuse Link, End Cap, Earthing Adapter, Street Lighting Connector, Fast Connector and Branch for Concentric Conductor

1. Fuse Link and End Cap
2. Earthing Adapter and Street Lighting Connector
3. Fast Connector and Branch for Concentric Conductor



CCFBD, FUSE LINK

The CCFBD removable fuse link is used to integrate a break point on LV-ABC lines.



- Connection and disconnection under load up to 60A
- Possibility to insert 22x58AD fuse cartridges from 4 to 125A
- Tested for watertightness at a voltage of 6kV under water
- Sealing cap attached to the body
- The body is made of weather resistant material
- Standard: CCFBD: EN50483-4 & NFC 33-020 Fuse: IEC269-2 & NFC 63-210

Type	Conductor Size (mm ²)	Failure Load(KN)	Box(pcs)	Pack (pcs)
CCFBD16-6	16/6	0.3	8	32
CCFBD16-16	16	0.3	8	32
CCFBD25-10	25/10	0.3	8	32
CCFBD25-25	25	0.3	8	32

PC, END CAP

The PC end caps are used to waterproof and insulate cable ends.



- Standard: EN 50483-4, NFC 33-020

Type	Conductor Size (mm ²)	Pack (pcs)
PC6-35	6-35	3000
PC16-150	16-150	1000

PMCC, EARTHING ADAPTER

The PMCC adapters are used for short-circuiting and earthing of LV-ABC. The adapter is installed on the tap-off side of an insulation piercing connector. The connection to earth is done by an insulated earthing equipment.



- The adapters are suitable for all piercing connectors with tap conductor of 25 mm²
- Insulation is made of weather resistant material and contact stud is made of brass
- Breakable tags are designed as indications for phase and neutral conductor
- Watertightness test is carried out at the voltage of 6KV underwater
- Standard: NFC 33-020

Type	Conductor Size (mm ²)	Failure Load(KN)	Box(pcs)	Pack (pcs)
PMCC25	25	1.2	30	120

LDA, STREET LIGHTING CONNECTOR

Application:

- LDA is applicable for 1KV and below transition connection of copper aluminium wires;
- Connector has no sealing insulation function, customer should determine sealing insulation scheme by themselves;
- Connector with sealing sheath has sealing insulation function.



Material: high strength aluminium alloy

Feature:

- Connector is made of high strength aluminium alloy, with stable performance
- Simple operation, easy installation
- Configure sealing insulation sheath, to ensure safe and stable
- Standard: IEC61238-1:2003, ANSIC119.1-2011



Connector

Type	Main Line	Branch line		Box(pcs)	Carton(pcs)
	aluminium	aluminium	copper		
LDA10-35/1.5-2.5	10-35	-	1.5-2.5	150	600
LDA10-35/10-16	10-35	10-16	-	90	360
LDA10-35	10-35	-	-	170	680

Sheath

Type	Applicable connector	Box(pcs)	Carton(pcs)
HT-LDA10-35/1.5-2.5	LDA10-35/1.5-2.5	12	48
HT-LDA10-35/10-16	LDA10-35/10-16	12	48
HT-LDA10-35	LDA10-35	12	48

FC, FAST CONNECTOR

The Fast Connector has been designed to rapidly connect consumers to the low voltage overhead distribution system, with ranges between 4 and 16 mm².



Type	Conductor Size (mm ²)	Pack (pcs)
FC	4-16	100

BCC, BRANCH FOR CONCENTRIC CONDUCTOR

The BCC is branch for concentric conductor, which offer a practical and simple solution for keeping these type of conductors sealed. It was designed as intermediate accessories, to allow separating the concentric cables into their phases and neutral conductors inside the shunt keeping the deviation protected and insulated. They must be installed together with insulated piercing connectors in order to make the electric connection.

- Great versatility in its application
- Easy installation, enabling the concentric cable to link the connectors as if it was a conventional home distribution system
- It does not require any additional tools or special personnel training for its use
- It does not need any additional tool or thermo shrinkable materials
- Manufactured with anti-UV protection, using material without any metallic component which guarantees a safe installation without any risks for the operator
- It is suitable with all type of IPC



Type	Conductor Size (mm ²)	Pack (pcs)
BCC	6/6	250

14/21

Tension Clamp and Suspension Clamp

1. Tension Clamp and Suspension Clamp for Self-supporting LV-ABC Lines
2. Tension Clamp and Suspension Clamp for LV-ABC Lines with Insulated Neutral Messenger
3. Tension Clamp and Suspension Clamp for LV-ABC Lines with Bare Neutral Messenger
4. Tension Clamp, Fixing Nail and Cable Tie for Service Lines



TC, TENSION CLAMP

The TC and TC-1 tension clamps are applicable to four core self-supporting LV- ABC system. These clamps are used for anchoring and tightening insulated conductors.

- Strong springs are applied between wedges which facilitates the insertion of conductors
- The TC is equipped with bolts
- The TC-1 is equipped with shear head bolts
- Clamp is made of weather resistant material and hot-dip galvanized steel



Type	Conductor Size (mm ²)	Failure Load (KN)	Pack (pcs)
TC16-50/4	16-50	14.4	18
TC70-95/4/B	70-95	27.4	12
TC95-150/4/B	95-150	43.2	12
TC50-120/4/B	50-120	20	12

SPC, SUSPENSION CLAMP

The SPC suspension clamp is designed for the installation and suspension of four core self-supporting LV-ABC cables to poles or walls.

- The clamp is made of hot-dip galvanized steel and weather resistant material
- Equipped with shear head bolt. The clamp can be easily installed without damage to the cable insulation
- No loose parts
- Standard: EN 50483-2



Type	Conductor Size (mm ²)	Failure Load(KN)	Pack (pcs)
SPC4x25/B	25	6	36
SPC4x35/B	35	6	36
SPC4x50/B	50	6	36
SPC4x70	70	10	36
SPC4x95	95	10	36
SPC4x120	120	10	36

SPD, SUSPENSION CLAMP

The SPD suspension clamp is designed for the installation and suspension of four core LV-ABC cables to poles or walls. For straight lines and angles up to 90°.

- No tools are needed for installation, equipped with a wing nut
- The clamp is made of corrosion resistant aluminium alloy and weather resistant material
- No loose parts
- Standard: EN 50483-2



Type	Conductor Size (mm ²)	Cable Diameter(mm)	Pack (pcs)
SPD-120-1	2-4x(25-120) ≤30°	12-42	25
SPD-120-2	2-4x(25-50) ≤60°	12-28	25
SPD-120-3	2-4x(25-120) ≤90°	12-42	12

JBGA, JBGB, TENSION CLAMP

The JBGA, JBGB and JBGD tension clamps are used to anchor and tighten LV-ABC lines with insulated neutral messenger. These clamps are easy to install without tools and suitable for various climatic conditions.

- JBGA: Clamp body is made of corrosion resistant aluminium alloy profile; Bail is made of stainless steel; Wedges are made of weather resistant material
- JBGB: Clamp body is casted of corrosion resistant aluminium alloy with high mechanical strength and bail is made of stainless steel. Wedges are made of weather resistant material
- Standard: NFC33-041, EN 50483-3



Type	Conductor Size (mm ²)	Failure Load(KN)	Box(pcs)	Pack (pcs)
JBGA25-35	25-35	10	9	36
JBGA54.6-70	54.6-70	15	8	32
JBGA70-95	70-95	20	6	24
JBGB25-35	25-35	10	5	20
JBGB54.6-70/1500	54.6-70	15	5	20

F-ALMB, F-MB SUSPENSION CLAMP

The F-ALMB and F-MB suspension clamps are used to hang LV-ABC cables on poles with the insulated neutral messenger.

- The anchoring bracket is made of corrosion resistant aluminium alloy
- The clamp and movable link is made of weather resistant and mechanically reliable insulated polymer
- Easy cable installation without tools
- The neutral messenger is placed in the groove and locked by an adjustable grip device to fit different cable sizes
- No loose parts
- Standard: NFC 33-040, EN 50483-3



Type	Bracket	Conductor Size (mm ²)	Failure Load(KN)	Pack (pcs)
F-ALMB16-95	Inclusive	16-95	12	20
F-MB16-95	Exclusive	16-95	12	40

F-ALMB, F-MB SUSPENSION CLAMP

The F-ALMB16-95A suspension clamps are used to hang LV-ABC cables on poles with the insulated neutral messenger.

- Bracket is pre-installed. Easy cable installation without tools
- The neutral messenger is placed in the groove and locked by an adjustable grip device to fit different cable sizes
- The clamp and movable link is made from weather resistant and mechanically reliable insulated polymer
- The anchoring bracket is made of corrosion resistant aluminium alloy
- No loose parts
- Standard: NFC 33-040, EN 50483-3



Type	Conductor Size (mm ²)	Failure Load(KN)	Pack (pcs)
F-ALMB16-95A	16-95	12	20
F-MB16-95A	16-95	12	40

F-MB, F-AL SUSPENSION CLAMP

The F-MB16-95/600 and F-AL16-95/600 are used to hang LV-ABC cables on poles with the insulated neutral messenger.

- The neutral messenger is placed in the groove and locked by an adjustable grip device to fit different cable sizes
- The clamp and movable link is made from weather resistant and mechanically reliable insulated polymer
- No loose parts
- Standard: EN 50483-3, NFC 33-040



Type	Conductor Size (mm ²)	Failure Load(KN)	Pack (pcs)
F-MB16-95/600	16-95	6	48
F-AL16-95/600	16-95	6	50

F-AL, SUSPENSION CLAMP

The F-AL suspension clamp is used to hang LV-ABC cables on poles with the insulated neutral messenger.

- The F-AL is made of of high mechanical strength and corrosion resistant aluminium alloy, insulation suit is made of weather resistant material, suitable for all climatic conditions
- Binding bolt equipped with wing nut allows tool free installation
- Standard: EN 50483-3, NFC 33-040



Type	Conductor Size (mm ²)	Failure Load(KN)	Pack (pcs)
F-AL16-95	16-95	22	50

JBGB/L, TENSION CLAMP

The JBGB 35-50L tension clamp is designed for LV-ABC of bare neutral messenger, and the wedges are coated with carborundum to increase friction between wedges and cable.

- Clamp body is casted of corrosion resistant aluminum alloy with high mechanical strength and bail is made of stainless steel
- Wedges are made of weather resistant material
- Standard: NFC33-041



Type	Conductor Size (mm ²)	Failure Load(KN)	Box(pcs)	Pack (pcs)
JBGB35-50L	35-50	15	5	20

F-MB/L, F-AL/L SUSPENSION CLAMP

The F-MB/600L and F-AL/600L are designed for the installation and suspension of LV-ABC cables with bare neutral messenger

- The messenger is placed in the groove and locked by an adjustable grip device to fit different cable sizes
- The clamp and movable link is made from weather resistant and mechanically reliable insulated polymer
- Carborundum is used to increase friction between clamp and cable
- No loose parts
- Standard: NFC 33-040



Type	Conductor Size (mm ²)	Failure Load(KN)	Pack (pcs)
F-MB16-95/600L	16-95	6	48
F-AL16-95/600L	16-95	6	50

TCHA, TENSION CLAMP

The TCHA tension clamp is applicable to service line system. This clamp is designed to anchoring and suspending insulated service line with 2 or 4 conductors onto poles or walls.

- The TCHA can be used as suspension clamp by simply rotating blocks
- TCHA is made of stainless steel



Type	Conductor Size (mm ²)	Failure Load(KN)	Pack (pcs)
TCHA16-35/4	16-35	3.4	50

PA, TENSION CLAMP

The PA25 tension clamp is designed for service line with 2 or 4 conductors.

- Clamp body is made of high mechanical strength and weather resistant insulation material
- Special designed clip is used to prevent the bail slipping from the body
- Tool free installation
- Standard: NFC33-042



Type	Conductor Size (mm ²)	Failure Load(KN)	Pack (pcs)
PA25-2x16-25/4x16-25	2*16-4*25	2	48
PA25-2x16-25/4x16-25B	2*16-4*25	2	60

FHA, TENSION CLAMP

The FHA205 is used to anchor and tighten insulated service line onto poles or walls.

- Clamp body is made of high mechanical strength and weather resistant insulation material
- Movable wedge allows tool free installation
- Standard:NFC33-042



Type	Conductor Size (mm ²)	Failure Load(KN)	Pack (pcs)
FHA205-16-70	16-70	2	80

FNA, FNB FIXING NAIL

The FNA and FNB fixing nails are designed for anchoring LV-ABC cables. The FNA is used on walls and the FNB is used on wooden surfaces.

- The main body and cable tie are made of weather resistant and UV resistant polymer
- Standard: NFC 33-042



Type	Cable Diameter (mm)		Nail length	Failure Load(N)	Pack (pcs)
	Min	Max			
FNA1-15-47	15	47	112	200	100
FNA6-15-47	15	47	158	200	100
FNA6-15-57	15	57	158	200	100
FNB5-12-47	12	47	118	200	100

BIC, FIXING CABLE TIE

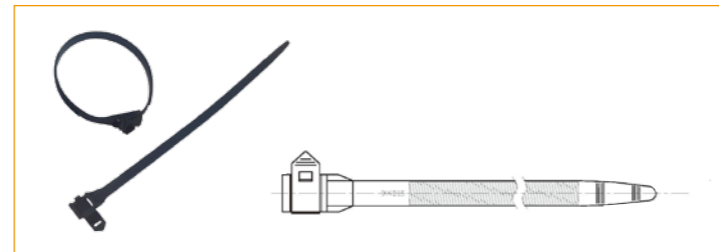
The BIC is used to fix LV-ABC cables to poles or walls.



Type	Cable Diameter (mm)		Failure Load(N)	Pack (pcs)
	Min	Max		
BIC15-50	15	50	400	200
BIC50-90	50	90	400	100

ZD, CABLE TIE

ZD9X215K, Nylon cable tie



Type	Cable Diameter (mm)		Closing withstand(N)	L(mm)	W(mm)	Pack (pcs)
	Min	Max				
ZD9X215K	15	57	350	215	9	1200

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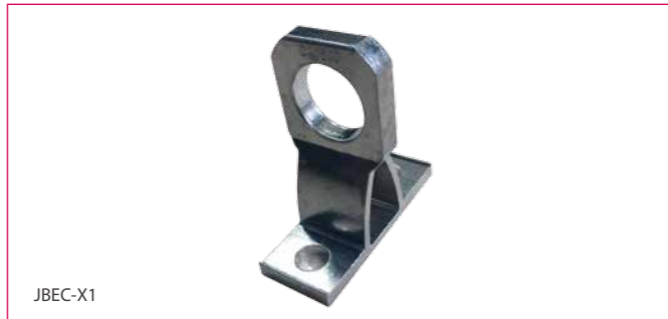
Hook, Anchor Bracket, Stainless Steel Strap and Accessories

- 1, Hook and Anchor Bracket
- 2, Stainless Steel Strap and Accessories



JBEB-D, JBEC-X, ANCHOR BRACKET

These anchor brackets are designed for LV-ABC cables.



Type	Failure Load (KN)	Pack (pcs)
JBEB-D15	15(45° test) 21.75(18° test)	50
JBEC-X1	15(45° test) 21.75(18° test)	60

CAB, STAINLESS ANCHORING BRACKET

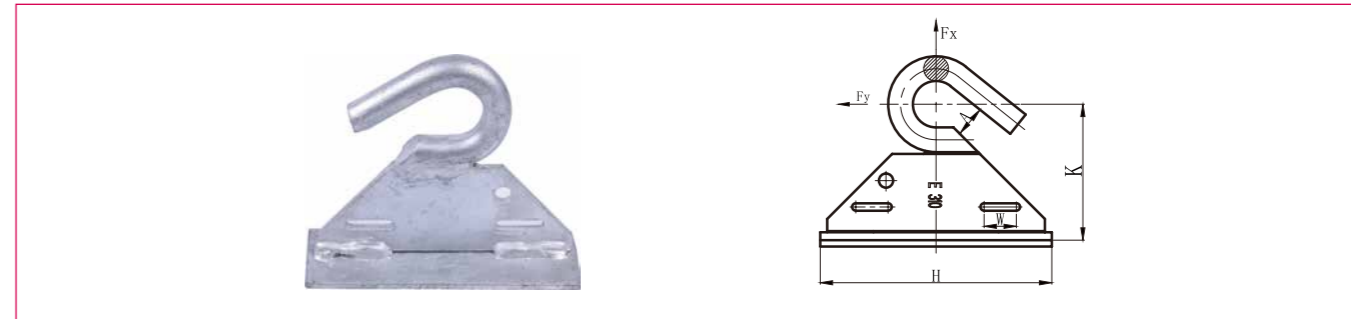
The CAB25 stainless steel anchor bracket is designed for service cables.



Type	Failure Load (KN)	Box(pcs)	Pack (pcs)
CAB25	2.0	150	600

SOT, HOOK

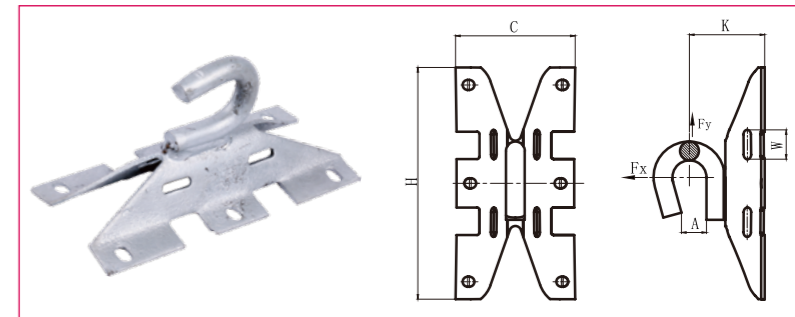
The band hook SOT is designed for insulated aerial cables or service line. This hook is made of hot-dip galvanized steel. Installation by mounting the hook onto a pole by using band and buckles.



Type	Dimension (mm)				Failure Load (KN)		Pack (pcs)
	A	K	H	W	Fx	Fy	
SOT29.10	18	86	150	21	12.8	12.5	25
SOT39	18	91	150	21	22	17.7	25

SOT, HOOK

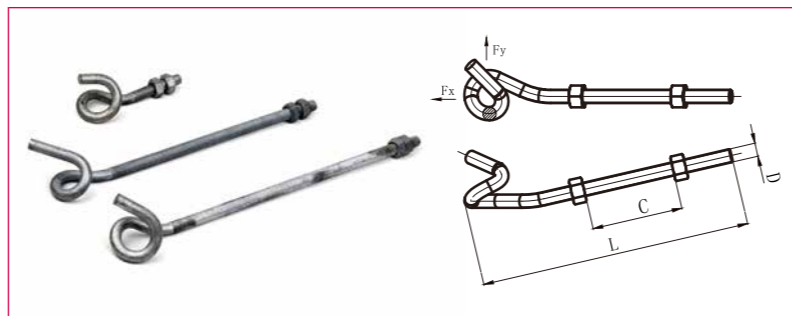
The hook SOT76 is designed for aerial cables.



Type	Dimension(mm)					Failure Load(KN)		Pack (pcs)
	A	H	C	K	W	Fx	Fy	
SOT76	25	200	91	69	22	16.6	12.6	20

BQC, HOOK

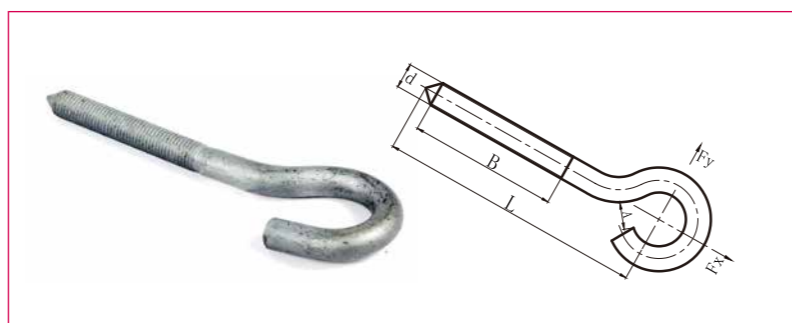
The BQC spiral hook is designed for service clamps. This hook is made of hot-dip galvanized steel. Middle point can be adjusted by 2 free nuts.



Type	Dimension (mm)			Failure Load (KN)		Pack (pcs)
	L	C(max)	D	Fx	Fy	
BQC 12-55	115	30	M12	2.0	0.4	150
BQC 12-250	310	220	M12	2.0	0.4	72
BQC 12-300	360	270	M12	2.0	0.4	72

SOT, HOOK

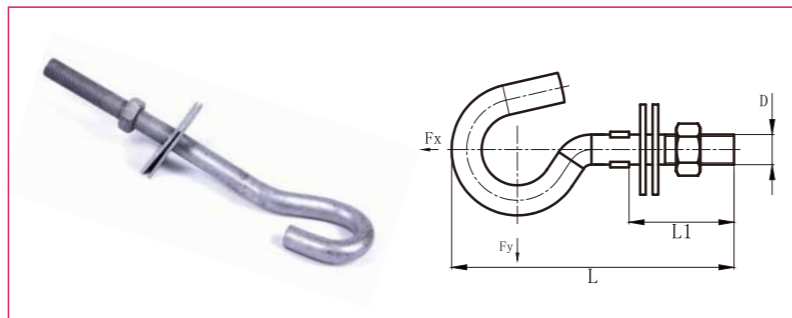
The HEL strain eye bolts are made of hot-dip galvanized steel.



Type	Dimension (mm)				Failure Load (KN)		Pack (pcs)
	B	d	A	L	Fx	Fy	
SOT16.10	95	M16	17	170	8.8	6.6	70

SOT, HOOK

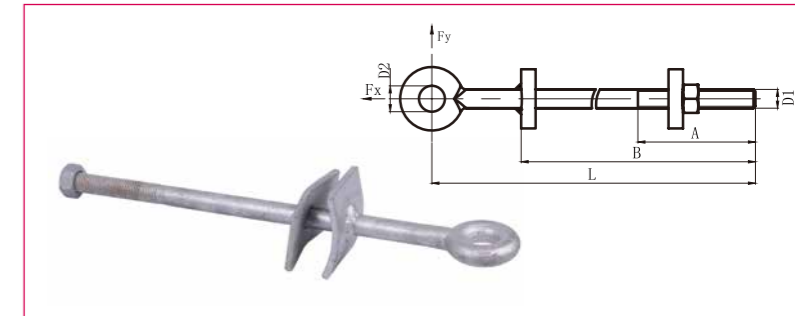
The SOT21 suspension hook is designed for aerial cables. The hook is made of hot-dip galvanized steel.



Type	Dimension (mm)			Failure Load (KN)		Pack (pcs)
	L	L1	D	Fx	Fy	
SOT21	319	200	M20	14.5	4.6	24
SOT21.1	359	240	M20	14.5	4.6	24
SOT21.2	439	320	M20	14.5	4.6	18
SOT21.3	469	350	M20	14.5	4.6	18
SOT21.16	315	200	M16	10.5	2.4	36
SOT21.116	355	240	M16	10.5	2.4	36
SOT21.216	435	320	M16	10.5	2.4	30

HEL, HOOK

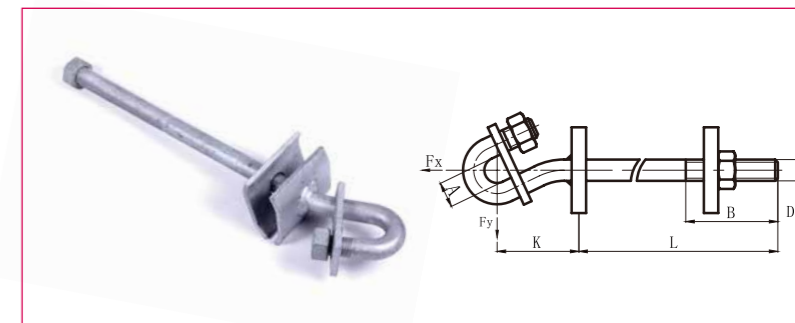
The HEL strain eye bolts are made of hot-dip galvanized steel.



Type	Dimension (mm)					Failure Load (KN)		Pack (pcs)
	A	B	L	D1	D2	Fx	Fy	
HEL5561	80	240	290	M16	22	39.2	6.8	30
HEL5562	80	240	340	M16	22	39.2	5	30
HEL5574	100	300	400	M20	22	39.2	10	20

SOT, HOOK

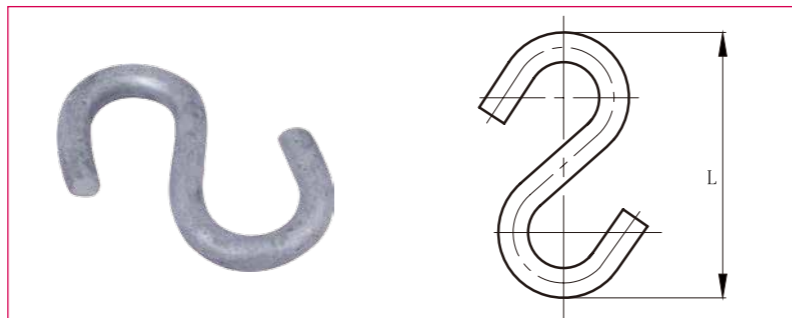
The hook bolt SOT101.1 and SOT101.2 are designed for aerial cables. The hook is made of hot-dip galvanized steel.



Type	Dimension (mm)					Failure Load (KN)		Pack (pcs)
	A	K	L	B	D	Fx	Fy	
SOT101.1	24	77	243	110	M20	30.6	6.7	15
SOT101.2	24	77	303	140	M20	30.6	6.7	15

HEL, HOOK

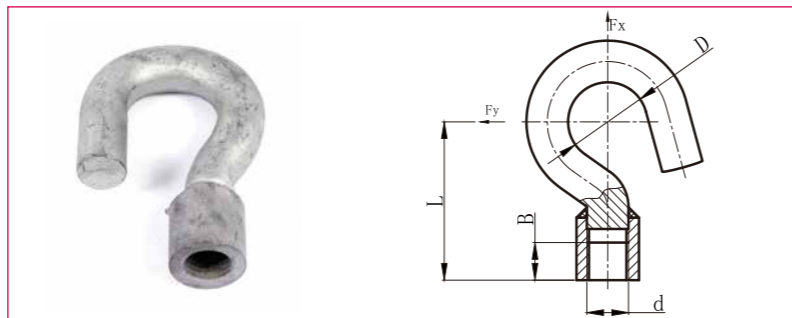
The HEL-5642 weak link hook is used as hangers between the pole support fitting and the anchor or suspension clamp in areas where damage to the LV-ABC line could be expected from falling trees.



Type	L (mm)	Failure Load (KN)	Pack (pcs)
HEL5642	90	6	150

PD, HOOK

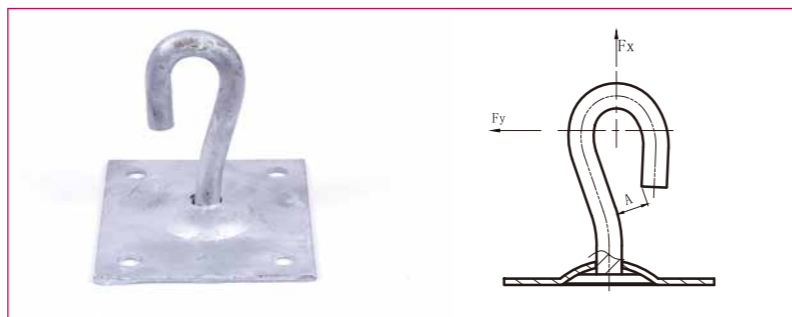
The PD nut hook is designed for insulated aerial cables or service cables. The hook is made of hot-dip galvanized steel.



Type	Dimension (mm)				Failure Load (KN)		Pack (pcs)
	D	B	d	L	Fx	Fy	
PD2.2	38	18	M20	76	15.5	4	50
PD2.3	38	18	M16	76	12.4	2	70

GM, HOOK

The GM hook is designed for service line. This hook is made of hot-dip galvanized steel.



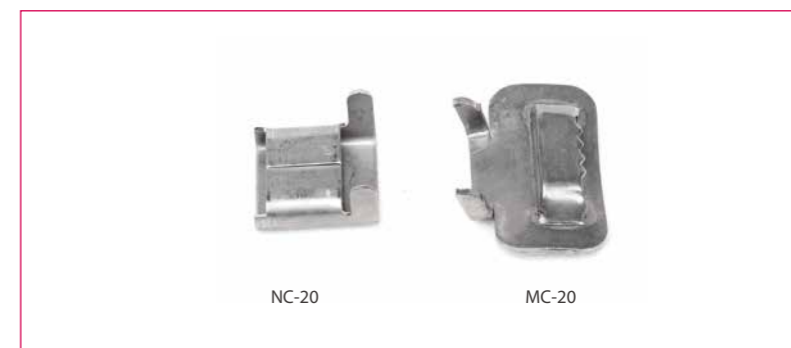
Type	A (mm)	Failure Load (KN)		Pack (pcs)
		Fx	Fy	
GM-12	15	4.5	2.1	20

GD, MC, NC & W001, STAINLESS STEEL STRAP AND ACCESSORIES

Stainless steel strap is designed to attach suspension clamp and tension clamp to the poles. Straps and buckles are made of 304 stainless steel.

Installation

- Cut the strap into required length
- Select one of Melec buckles
- Use Melec binding tool to fix the strap



Type	Strap Winding Box	Dimensions (mm)	Length/Roll (m)	Pack (pcs)
GD-0.4x20-GDH	Inclusive&Exclusive	0.4x20	50	5
GD-0.7x20-GDH	Inclusive&Exclusive	0.7x20	50	5

Type	Description	Box(pcs)	Pack (pcs)
MC-20	Buckles for Straps	300	1200
NC-20	Buckles for Straps	200	800
W001	Binding tool	2	8

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Installation Tool and Equipment

- 1. Hydraulic crimping tool and Fork Wrench
- 2. Cable Puller



JM, HYDRAULIC CRIMPING TOOL

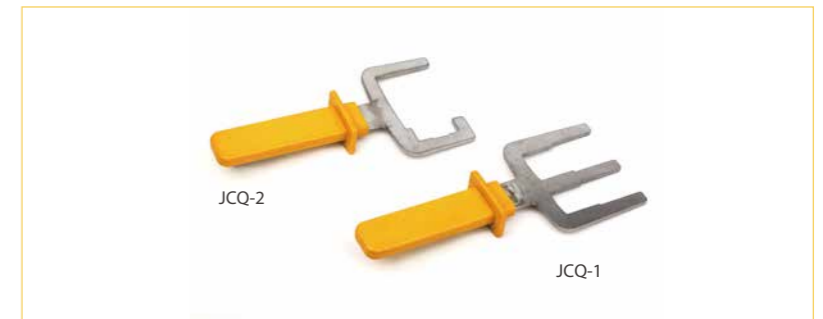
The JM-240F hydraulic crimping tool is designed for crimping pre-insulated lugs and connectors. Plastic carrying box included.



Type	Crimping Range (mm ²)	Application	Length (mm)	Box(pcs)	Pack (pcs)
JM-240F	4-150	CPTAU, MJPTN, MJPT, MJPB	375	1	3

JCQ, FORK WRENCH

The JCQ fork wrench is designed for holding the IPC while tightening bolts. This tool is made of stainless steel and oil & aging resistant materials.



Type	Application	Box(pcs)	Pack (pcs)
JCQ-1	JBC16-70/16-70	8	32
	JBC16-95/2.5-35	8	32
	JBC35-150/6-35	8	32
	JBC25-95/25-95	8	32
	JBC25-120/25-120	8	32
	JBC35-70/6-35	8	32
	JBC35-150/35-150	8	32
JCQ-2	JBC16-70/1.5-10	8	32
	JBC35-150/35-150/2	8	32

ST, CABLE PULLER

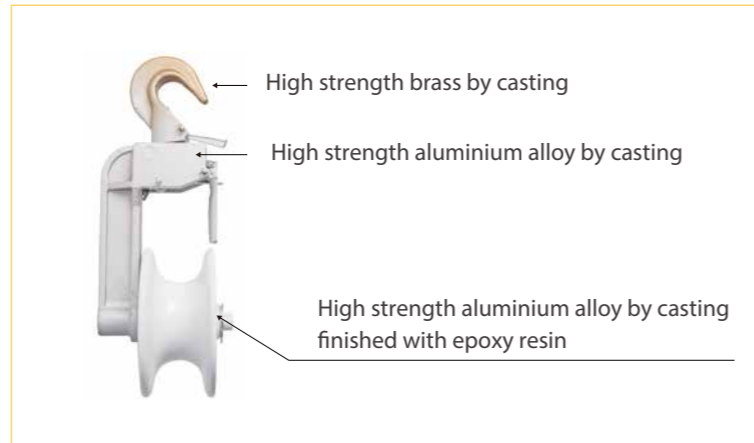
The ST wire stringing wheels is designed for pulling in overhead cables.

- ST26.21 is used for straight lines and small angles up to 30°
- ST26.22 with two pulleys is used for straight lines and larger angles up to 90°



Type	Failure Load (KN)	Box(pcs)	Pack (pcs)
ST26.1	8	-	8
ST26.22	12	1	2

RT,CABLE PULLER



Type	Failure Load (KN)	Box(pcs)	Pack (pcs)
RT-1	8	1	8
RT-2	8	1	2
RT-3	8	1	2

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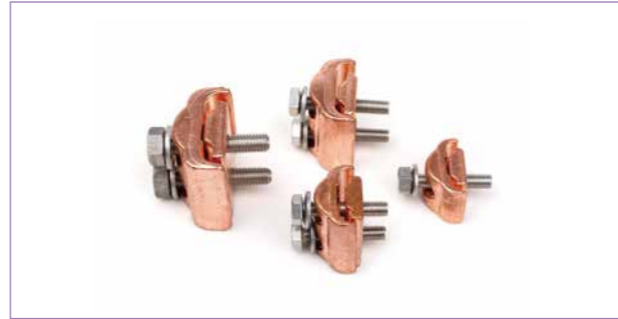
Parallel Groove Connector, Branch Connector and Tension Clamp

- 1.Parallel Groove Connector
- 2.Branch Connector
- 3.Tension Clamp



CUPG, COPPER PARALLEL GROOVE CONNECTOR

The CUPG parallel groove clamps are used to establish T-connections and Joint-connections between copper conductors. Advanced forging technology enhances the mechanical strength of the clamp.



- CUPG series products are applicable for 30KV and below
- Special designed screw hole and arc shape of the body allow clamp to adjust to different cable size on each side
- Clamp body is made of 99.9% pure copper which offers excellent electrical conductivity
- Gross-grooved clamp channels enhance both mechanical pullout strength and electrical conductivity
- Material of bolt is optional depend on customer request. Options include hot-dip galvanized steel and stainless steel

Type	Conductor Size of both sides (mm ²)	Bolts	Box (pcs)	Pack (pcs)
CUPG10-70/1	10-70	1	60	120
CUPG6-70/2	6-70	2	35	70
CUPG10-95/2	10-95	2	25	50
CUPG16-150/2	16-150	2	15	30

CAPG, BIMETAL PARALLEL GROOVE CONNECTOR

The CAPG parallel groove clamps are designed to connect aluminium conductors and copper conductors. Advanced forging technology enhances the mechanical strength of the clamp.



- CAPG series products are applicable for 30KV and below
- Special designed screw hole and arc shape of the body allow clamp to adjust to different cable size on each side
- Materials of bolt and nut are optional depend on customer request. Options include hot-dip galvanized steel and stainless steel
- Pressure pad is applied to achieve uniform pressure along the clamp

Type	Conductor Size (mm ²)		Bolts	Pack (pcs)
CAPG6-50/16-70/1	Cu6-50	AL16-70	1	240
CAPG6-50/16-70/2	Cu6-50	AL16-70	2	200
CAPG10-95/25-150/1	Cu10-95	AL25-150	1	300
CAPG10-95/25-150/2	Cu10-95	AL25-150	2	240
CAPG16-185/35-200/2	Cu16-185	AL35-200	2	120
CAPG35-240/35-300/3	Cu35-240	AL35-300	3	48

ALPG, ALUMINIUM PARALLEL GROOVE CONNECTOR

The ALPG parallel groove clamps are designed to connect two aluminium conductors. Advanced forging technology enhances the mechanical strength of the clamp.



- ALPG series products are applicable for 30KV and below
- Special designed screw hole and arc shape of the body allow clamp to adjust to different cable size on each side.
- Clamp body is made of aluminium with excellent electrical conductivity
- Gross-grooved clamp channels enhance both mechanical pullout strength and electrical conductivity.
- Materials of bolt and nut are optional depend on customer request. Options include hot-dip galvanized steel and stainless steel
- Pressure pad is applied to achieve uniform pressure along the clamp

Type	Conductor Size of both sides (mm ²)	Bolts	Pack (pcs)
ALPG16-70/1	16-70	1	240
ALPG16-70/2	16-70	2	200
ALPG16-150/2	16-150	2	240
ALPG35-300/3	35-300	3	48

JBL-A, ALUMINIUM PARALLEL GROOVE CONNECTOR

The JBL-A parallel groove clamps are designed to connect two aluminium conductors. The clamp is made of aluminium alloy profile with high mechanical strength.



- JBL-A series products are applicable for 30KV and below
- Special designed screw hole and arc shape of body allow clamp to adjust to different cable size on each side
- Materials of bolt and nut are optional depend on customer request. Options include hot-dip galvanized steel and stainless steel
- Pressure pad is applied to achieve uniform pressure along the clamp

Type	Conductor Size of both sides (mm ²)	Bolts	Box (pcs)	Pack (pcs)
JBL-A16-120/2	16-120	2	30	120
JBL-A16-120/3	16-120	3	20	80
JBL-A35-240/2	35-240	2	12	48
JBL-A35-240/3	35-240	3	6	24

JBL-H, BRANCH CONNECTOR

Application:

- JBL-H series products are applicable for 30KV and blow aluminium wire connection
- Separate aluminium connector, used for aluminium connection, bare wire or insulated wire
- Aluminium connector with sheath, used for aluminium connection, sheath has a protective function

Material: high strength aluminium alloy

Feature:

- Connector is made of high strength aluminium alloy, safe and stable
- Configure torque bolt, to ensure more convenient installation and reliable connection
- Standard: IEC61238-1:2003, ANSIC119.1-2011



Aluminium connector

Type	Main Conductor Size (mm ²)	Tap Conductor Size (mm ²)	Box (pcs)	Pack (pcs)
*JBL-H6-35/6-35/1	6-35	6-35	-	-
JBL-H35-95/6-35/1	35-95	6-35	45	180
JBL-H35-95/35-95/2	35-95	35-95	15	60
JBL-H120-240/35-95/2	120-240	35-95	12	48
JBL-H120-240/120-240/3	120-240	120-240	8	32

Aluminium connector with sheath

Type	Main Conductor Size (mm ²)	Tap Conductor Size (mm ²)	Box (pcs)	Pack (pcs)
*JBL-H6-35/6-35/1-HT	6-35	6-35	-	-
JBL-H35-95/6-35/1-HT	35-95	6-35	10	40
JBL-H35-95/35-95/2-HT	35-95	35-95	5	20
JBL-H120-240/35-95/2-HT	120-240	35-95	4	16
JBL-H120-240/120-240/3-HT	120-240	120-240	4	16

* Product is still in development, detailed information please consult sales

Parallel Groove Connector/Branch Connector and Tension Clamp
35 Branch Connector

NLL, TENSION CLAMP

The NLL tension clamp is designed for aerial lines up to 30kV. The clamp is made of high strength casting aluminium alloy and can be used in various climatic conditions.

- Easy installation with spanners
- Standard: IEC61284



Type	Conductor Diameter (mm)	U-Bolts	Failure Load(KN)	Pack (pcs)
NLL5.0-10.0	5.0-10.0	2	40	40
NLL9.0-16.0	9.0-16.0	3	75	16
NLL16.0-20.0	16.0-20.0	4	100	6

Parallel Groove Connector/Branch Connector and Tension Clamp
36 Tension Clamp