



**JERA LINE**  
CHINA NINGBO YUYAO FACTORY



**FIBER OPTIC CABLES, CLAMPS,  
BOXES FOR OUT & INDOOR  
FTTX DEPLOYMENT**



# OUR ADVANTAGES



Direct Factory, Produces  
>95% Solution On-site

Competitive Price



Complete Solution

5 Years Warranty



Global Experience

Negotiable OEM&NDA  
Orders Availability



OEM, ODM Customization

New Products Save  
Your Budget





# COMPANY PROFILE

JERA LINE is a factory, that produces overhead and underground cable infrastructure. Which transmits information and electricity, via

- Fiber Optic Cable Networks,
- Power Cable Grids.

In the following catalog, we present aerial and indoor products for fiber optics deployment.

JERA is operating according to ISO9001, all our products meet the criteria of key regional standards, CE , IEC , EN , CPR, UL 94. Welcome to cooperate, our intention is committed to build reliable, long-term business relationships.

## PRODUCTION FACILITY



Fiber optic cable workshop

Plastic molding workshop

Molding workshop



Press forming workshop

Plastic molding workshop

Pre connectorization workshop

## TESTING FACILITY



Cable OTDR test

Tensile strength test

Temp & Humi cycling test



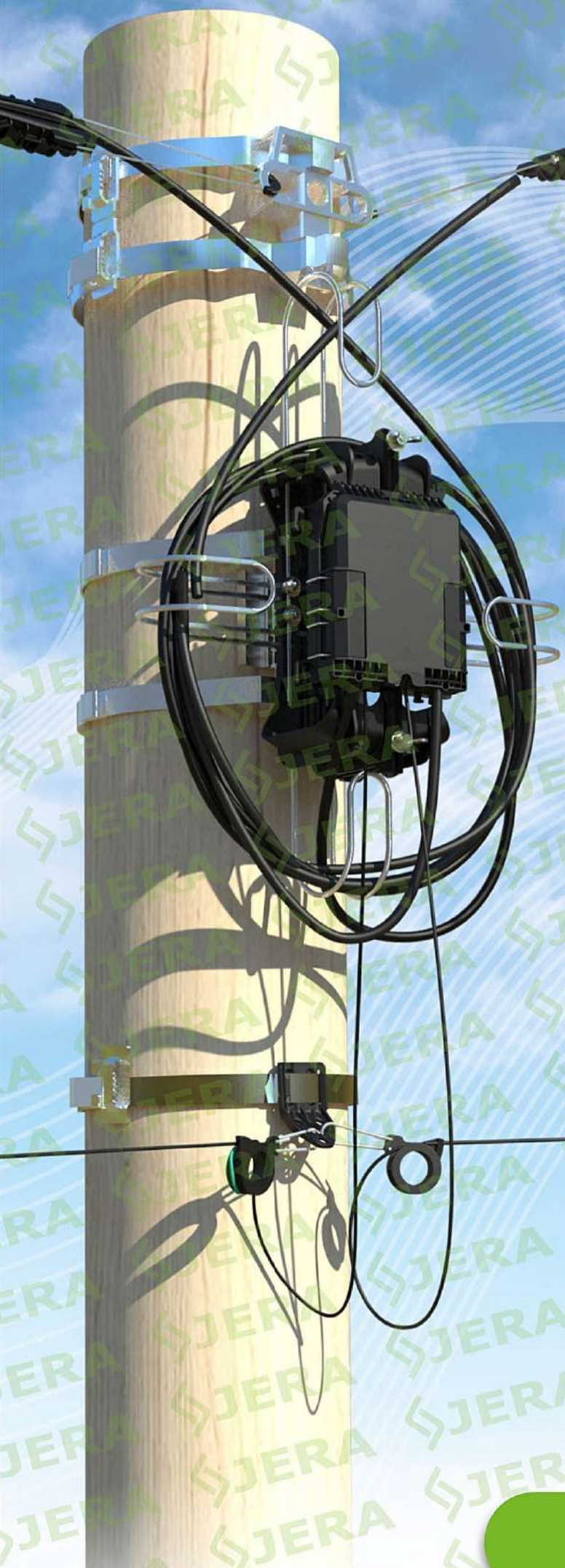
UV & temperature test

Corrozion aging test

Fire resistance test



# OUR SOLUTIONS



**INDOOR ODN**

**OUTDOOR ODN**



# OUR PRODUCTS

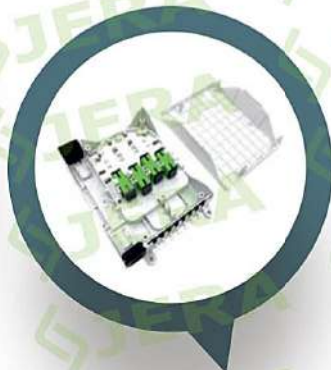
## FIBER OPTIC CABLES

page 5



## INTERFLOOR BOXES AND TERMINALS

page 29



## MEDIUM & LONG SPAN CLAMPS

page 34



## DROP CLAMPS

page 38



## FIBER CABLE DISTRIBUTION BOXES

page 19



## DROP CABLE PATCHCORDS & FAST CONNECTORS

page 24



## FIBER ACCESS TERMINALS

page 27



## INSTALLATION TOOL

page 52



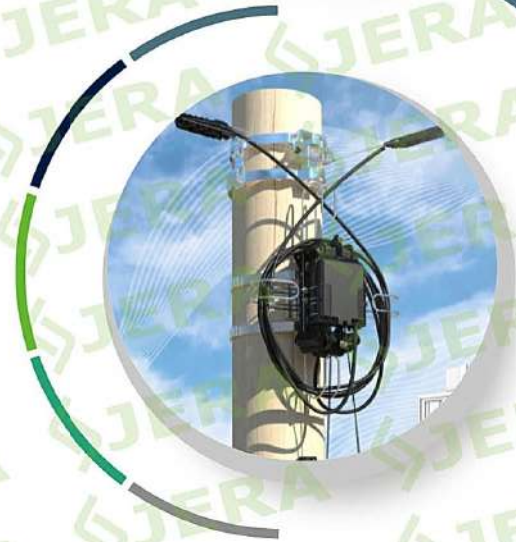
## STAINLESS STEEL BANDINGS

page 48



## CABLE SLACK STORAGE

page 46





# FIBER OPTIC CABLES



5 years warranty

Competitive price



China-Japan fiber core brand CDSEI used

OEM, ODM Customization



NEW  
LSZH  
HDPE

No second hand polymers

Solid jacket does not melt



Jacket materials pairs the clamps

Comply to CPR:  
Fca, Eca, Dca, B2ca



Pre termination by SC connectors

Transparency in materials







## INDOOR DROP CABLE, FLAT-TYPE, ROUND TYPE

### Products



FOC-FF



FOC-FF



FOC-R

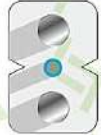


FOC-R

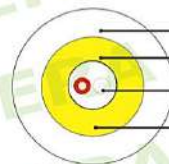
### Cable Description



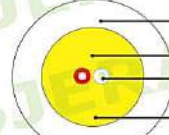
- MESSENGER WIRE: FRP
- OPTICAL FIBER
- OUTER JACKET: WHITE LSZH



- MESSENGER WIRE: STEEL
- OPTICAL FIBER
- OUTER JACKET: BLACK LSZH



- OUTER JACKET: WHITE LSZH
- TIGHT BUFFER
- OPTICAL FIBER
- ARAMID YARN



- OUTER JACKET: BLACK LSZH
- LOOSE TUBE
- OPTICAL FIBER
- ARAMID YARN

### Key Features



INDOOR



COMPLY TO CPR:  
FCA, ECA, DCA, B2CA



5 YEARS  
WARRANTY



PRE TERMINATION  
BY SC CONNECTORS



CHINA-JAPAN FIBER  
CORE BRAND **CDSEI** USED

### Technical Specification

Type:	FOC-FF	FOC-FF	FOC-Fr	FOC-Fr
Size, mm:	2.0×3.0(±0.1)	2.0×3.0(±0.1)	∅ 3.0(±0.1)	∅ 3.0(±0.1)
Fiber Type:	<b>G.657.A1/A2</b>	<b>G.657.A1/A2</b>	<b>G.657.A1/A2</b>	<b>G.657.A1/A2</b>
Max fiber capacity:	1-4 fibers	1-4 fibers	1-4 fibers	1-2 fibers
Jacket material:	LSZH	LSZH	LSZH	LSZH
Reinforcement material, size (mm):	STEEL 2x0.4	GFRP/KFRP 2x0.5	Aramid yarns	Aramid yarns
Messenger type, size(mm):	—	—	—	—
Inner tube material, size (mm):	—	—	LOOSE PBT 1x1.2	TIGHT LSZH 1x0.9
Flexibility:	—	YES	YES	YES
Full dielectric:	—	YES	YES	YES
Tensile strength (N):	>60	>20	>300	>200

### Recommendation clamps:







**JERA LINE**  
CHINA NINGBO YUYAO FACTORY

## OUTDOOR DROP CABLE, FLAT TYPE, ULTRA FLEXIBLE

### Products



FOC-Ff8-U

### Cable Description



- MESSENGER WIRE: GALVANIZED STEEL
- REINFORCEMENT MATERIAL: FRP
- OPTICAL FIBER
- OUTER JACKET: BLACK LSZH

### Key Features

	Ultra Flexible	Wire Reinforced
Super Flexible Design		
Small Bending Radius		
No Breaks During Separation		

### Technical Specification

Type:	FOC-Ff8-0.8
Size, mm:	2.0 x 5.2(±0.1)
Fiber Type:	G.657.A1/A2
Max fiber capacity:	1-4 fibers
Jacket material:	LSZH
Reinforcement material, size (mm):	GFRP 2x0.5
Messenger type, size(mm):	Galvanized Steel 0.8 (7 x 0.25)
Inner tube material, size (mm):	-
Flexibility:	YES
Full dielectric:	-
Tensile strength (N):	>1500

Recommendation clamps:







## OUTDOOR DROP CABLE, FLAT TYPE

### Products



FOC-Ff



FOC-Ff 8

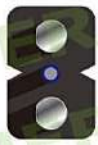


FOC-Ff 8-G



FOC-Ff 8-S

### Cable Description



- MESSENGER WIRE: STEEL
- OPTICAL FIBER
- OUTER JACKET: BLACK LSZH



- MESSENGER WIRE: STEEL WIRE
- REINFORCEMENT MATERIAL: STEEL WIRE
- OPTICAL FIBER
- OUTER JACKET: BLACK LSZH



- MESSENGER WIRE: FRP
- REINFORCEMENT MATERIAL: STEEL /FRP
- OPTICAL FIBER
- OUTER JACKET: BLACK LSZH



- MESSENGER WIRE: STEEL WIRE
- REINFORCEMENT MATERIAL: STEEL WIRE
- OPTICAL FIBER
- OUTER JACKET: BLACK LSZH

### Key Features



OUTDOOR



COLOR CUSTOMIZATION



5 YEARS WARRANTY



SOLID JACKET DOES NOT MELT



CHINA-JAPAN FIBER CORE BRAND CDSEI USED

### Technical Specification

Type:	FOC-Ff	FOC-Ff 8	FOC-Ff 8-G	FOC-Ff 8-S
Size, mm:	2.0×3.0(±0.1)	2.0×5.2(±0.2)	2.0×5.2(±0.2)	2.0×5.2(±0.2)
Fiber Type:	G.657.A1/A2	G.657.A1/A2	G.657.A1/A2	G.657.A1/A2
Max fiber capacity:	1-4 fibers	1-4 fibers	1-4 fibers	1-4 fibers
Jacket material:	LSZH	LSZH	LSZH	LSZH
Reinforcement material, size (mm):	STEEL 2x0.4	STEEL 2x0.4	GFRP 2x0.5	STEEL 2x0.4
Messenger type, size(mm):	—	STEEL 1x1.0	GFRP 1x1.0	STEEL 1x1.0
Inner tube material, size (mm):	—	—	—	—
Flexibility:	—	—	—	—
Full dielectric:	—	—	YES	—
Tensile strength (N):	>200	>1500	>800	>1500

Recommendation clamps:







## IN-OUTDOOR DROP CABLE, DOUBLE JACKET TYPE

### Products



**FOC-R+FF**

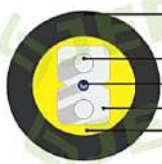


**FOC-R+R**



**FOC-R+R**

### Cable Description



OUTER JACKET  
ADDITIONAL STRENGTH MEMBER  
FRP ROD  
OPTICAL FIBER  
INNER CABLE SHEATH  
ARAMID YARN



INNER CABLE SHEATH  
ARAMID YARN  
OPTICAL FIBER  
JELLY COMPOUND  
OUTER JACKET



INNER CABLE SHEATH  
ARAMID YARN  
OPTICAL FIBER  
TIGHT BUFFER  
OUTER JACKET

### Key Features



IN-OUTDOOR



COMPLY TO CPR:  
FCA, ECA, DCA, B2CA



5 YEARS  
WARRANTY



SOLID JACKET  
DOES NOT MELT



CHINA-JAPAN FIBER  
CORE BRAND **CDSEI** USED

### Technical Specification

Type:	<b>FOC-R+FF</b>	<b>FOC-R+R</b>	<b>FOC-R+R</b>
Size, mm:	5.0 + 2.0x3.0	4.6 + 3.0	4.6 + 3.0
Fiber Type:	<b>G657.A1/A2</b>	<b>G657.A1/A2</b>	<b>G657.A1/A2</b>
Max fiber capacity:	1-4 fibers	1-4 fibers	1-4 fibers
Jacket material:	PE	LSZH	LSZH
Reinforcement material, size (mm):	GFRP 2X0.5	Aramid yarns	Aramid yarns
Messenger type, size(mm):	-	-	-
Inner tube material, size (mm):	FOC-Ff 2.0*3.0	Loose PBT 1.2	Tight LSZH 0.9
Flexibility:	-	YES	YES
Full dielectric:	YES	YES	YES
Tensile strength (N):	>300	>300	>500

#### Recommendation clamps:

**PA160**



or

**ODWAC 23**



**FISH-45**



or

**JS(1)-4.4/4.9**





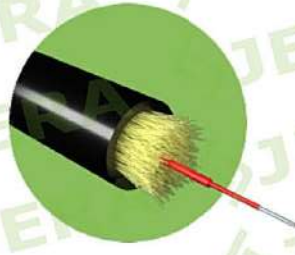


## OUTDOOR DROP CABLE, ROUND TYPE, ROUND TYPE WITH MESSENGER

### Products



FOC-R



FOC-R



FOC-FR



FOC-FR

### Cable Description



ADDITIONAL STRENGTH MEMBER  
OPTICAL FIBER  
JELLY COMPOUND  
LOOSE TUBE  
OUTER JACKET



OUTER JACKET  
TIGHT BUFFER  
ARAMID YARN



MESSENGER WIRE:  
GALVANIZED STEEL WIRE  
OUTER JACKET

OPTICAL FIBER  
JELLY COPOUND  
LOOSE TUBE



MESSENGER WIRE:  
STRANDED STEEL WIRE  
OUTER JACKET  
ARAMID YARN  
OPTICAL FIBER  
JELLY COPOUND  
LOOSE TUBE

### Key Features



OUTDOOR



JACKET MATERIALS  
PAIRS THE CLAMPS



5 YEARS  
WARRANTY



SOLID JACKET  
DOES NOT MELT



CHINA-JAPAN FIBER  
CORE BRAND **CDSEI** USED

### Technical Specification

Type:	FOC-R	FOC-R	FOC-FR	FOC-FR
Size, mm:	3.0/3.8	3.0	3.5x6.6	3.5x6.6
Fiber Type:	G657.A1/A2	G657.A1/A2	G657.A1/A2	G657.A1/A2
Max fiber capacity:	1-4/6-12 fibers	1 fibers	1-4 fibers	1-4 fibers
Jacket material:	LSZH	LSZH	LSZH	LSZH
Reinforcement material, size (mm):	Aramid yarns	Aramid yarns	Aramid yarns	Aramid yarns
Messenger type, size(mm):	-	-	Steel 1.2	Wire Sranl 7x0.33
Inner tube material, size (mm):	Loose PBT 1.2/1.8	Tight LSZH 0.9	Loose PBT 1.2	Tight LSZH 0.9
Flexibility:	YES	YES	YES	YES
Full dielectric:	YES	YES	YES	YES
Tensile strength (N):	>500	>400	>1000	>1000

Recommendation clamps:

FISH34

or

FISH02

PA05





## OUTDOOR MINI ADSS CABLE FLAT, ROUND TYPE

### Products



FOC-Fr



FOC-Fr

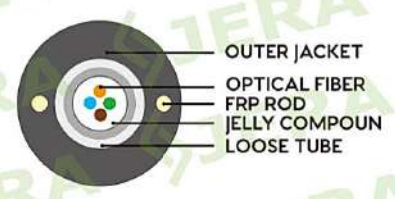
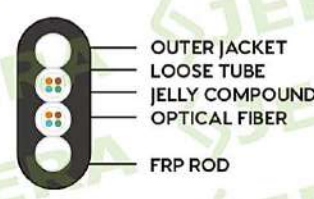
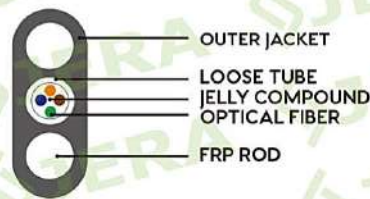
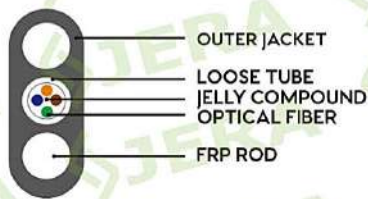


FOC-Fr



FOC-R

### Cable Description



### Key Features



OUTDOOR



SOLID JACKET  
DOES NOT MELT



5 YEARS  
WARRANTY



JACKET MATERIALS  
PAIRS THE CLAMPS



CHINA-JAPAN FIBER  
CORE BRAND CDSEI USED

### Technical Specification

Type:	FOC-Fr	FOC-Fr	FOC-Fr	FOC-R
Size, mm:	2.0x4.0(±0.1)	4.2x8.0(±0.1)	4.5x10.0(±0.1)	3.6/4.7(±0.1)
Fiber Type:	G.657.A1/A2	G.657.A1/A2	G.657.A1/A2	G.657.A1/A2
Max fiber capacity:	1-4 fibers	1-12 fibers	14-24 fibers	1-4/1-12 fibers
Jacket material:	PE	PE	PE	PE
Reinforcement material, size (mm):	GFRP 2x0.8	GFRP 2x2.0	GFRP 2x2.0	GFRP 2x0.5/2x0.8
Messenger type, size(mm):	-	-	-	-
Inner tube material, size (mm):	Loose PBT 1.2	Loose PBT 1.8	Loose PBT 2x1.8	Loose PBT 1.2/1.8
Flexibility:	-	-	-	-
Full dielectric:	YES	YES	YES	YES
Tensile strength (N):	>800	>2000	>2000	>300/>700

#### Recommendation clamps:

ODWAC 22B



PA-560



or

ODWAC 23



or

JS







## OUTDOOR MULTI TUBE ADSS CABLE ROUND TYPE

### Products



FOC-R



FOC-R



FOC-R

### Cable Description



### Key Features



OUTDOOR



SOLID JACKET  
DOES NOT MELT



5 YEARS  
WARRANTY



JACKET MATERIALS  
PAIRS THE CLAMPS



CHINA-JAPAN FIBER  
CORE BRAND **CDSEI** USED

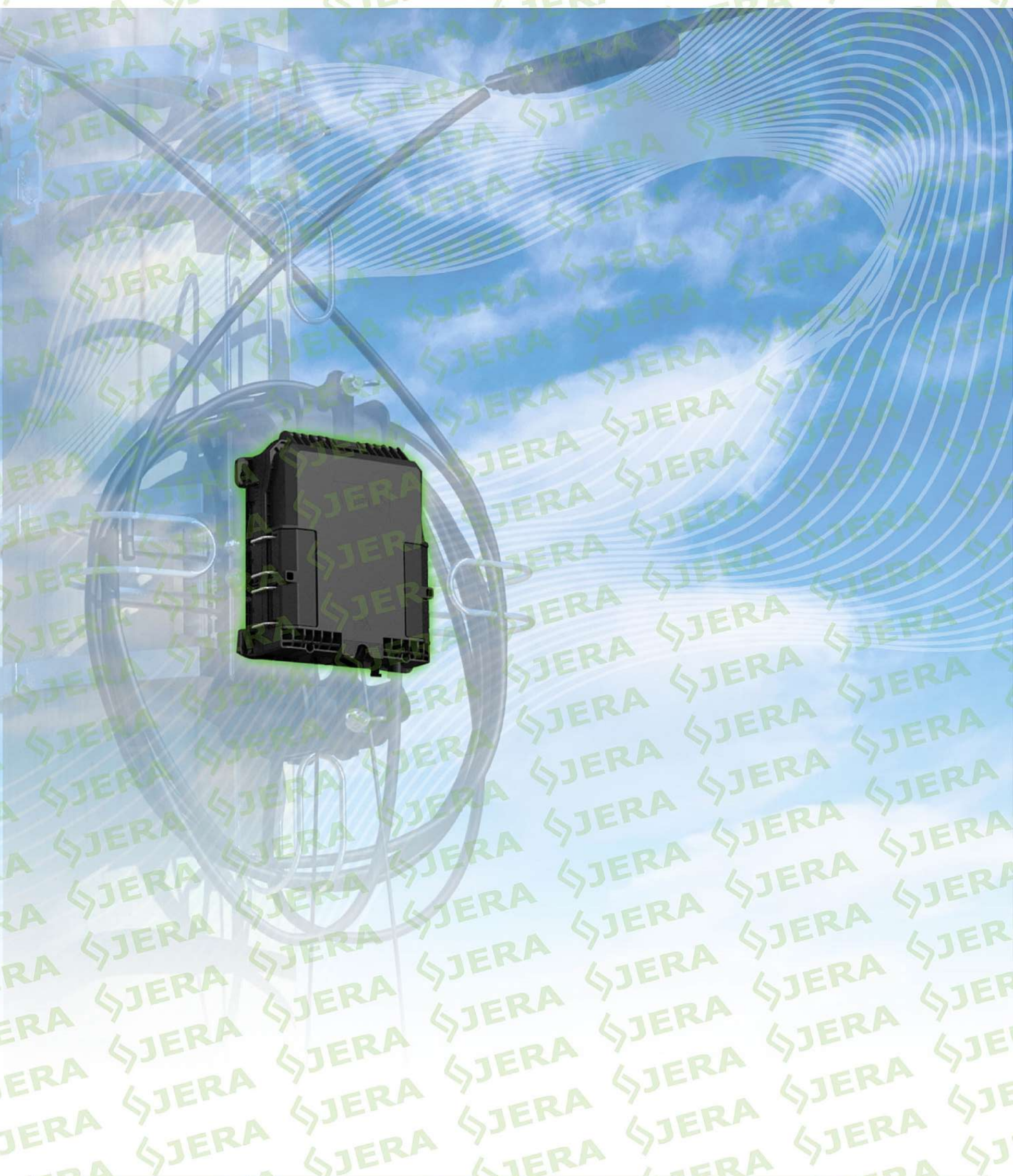
### Technical Specification

Type:	FOC-R	FOC-R	FOC-R
Size, mm:	Ø10.7(±0.3)	Ø11.6 (±0.3)	Ø13.6 (±0.3)
Fiber Type:	<b>G65.2D/G657.A1</b>	<b>G65.2D/G657.A1</b>	<b>G65.2D/G657.A1</b>
Max fiber capacity:	12/24/48/72 fibers	96 fibers	144 fibers
Jacket material:	PE	PE	PE
Reinforcement material, size (mm):	Aramid yarns + GFRP 2.0	Aramid yarns + GFRP 2.0	Aramid yarns + GFRP 2.0
Messenger type, size(mm):	-	-	-
Inner tube material, size (mm):	Loose PBT Nx1.8	Loose PBT Nx1.8	Loose PBT Nx1.8
Flexibility:	-	-	-
Full dielectric:	YES	YES	YES
Tensile strength (N):	>4000	>4000	>4000

Recommendation clamps:







# FIBER CABLE DISTRIBUTION BOXES & SPLICE CLOSURES (FODB, FOSC)





## FIBER CABLE DISTRIBUTION BOXES & SPLICE CLOSURES

### Products



**FODB-8.6 mini**



**FODB-8H**



**FODB-16.1H**



**FODB-16HC**

### Key features



OUTDOOR



FOR CONNECTIONS OF  
1-16 DROP CABLES



WATERPROOF IP-67



CONVINIENT IN FIBER'S  
ORGANIZATION



PLUG AND PLAY



INCREASE NETWORK  
DEPLOYMENT SPEED



SEPARATED AREAS TO  
REDUCE FAULTS



LONG SERVICE LIFE

### Technical specification

Product code	FODB-8.6 mini	FODB-8H	FODB-16.1H	FODB-16HC
Feeding cable dimension (mm)	2 of Ø3-14	2 of Ø3-12	2 of Ø5-14	2 of Ø5-14 and transit of Ø5-12
Drop cable dimension (mm)	8 of Ø2-3	8 of Ø2-3	16 of Ø2-3	16 of Ø2-3
Max fiber splicing capacity	12(24*)	14(28*) +additional 6(12*)	24(48*)bottom tray 16(32*)upper tray	40 (80*)
Adapters, SC type	8	8+2	16+2	16
Blockless PLC splitters 60×7×4mm	1 of 1:8 or 2 of 1:4	1 of 1:8 or 2 of 1:4	1 of 1:16 or 2 of 1:8	1 of 1:16 or 2 of 1:8
Cassette PLC splitters C2 128×100×25mm	-	1 of 1:8	-	1 of 1:16 or 2 of 1:8
Overall dimensions (mm)	235×161×50	271×237×77	271×237×77	271×237×95

\* TWO LAYERS FOR STORAGE OF FIBER SPLICING





## INDOOR FIBER OPTIC DISTRIBUTION BOX

### Products



**FODB-4A**



**FODB-8A**



**FODB-16X**



**FODB-24A**

### Key features



CAPACITY OF 4-16 FIBERS



PLUG & PLAY



LOW COST FTTH



FASTENING ON BUILDING FACADES

### Technical specification

Product code	FODB-4A	FODB-8A	FODB-16X	FODB-24A
Feeding cable dimension (mm)	1 of Ø6-12.5, 1 of Ø8-14	3 of Ø17	2 of Ø17	2 of Ø17
Drop cable dimension (mm)	-	8 of Ø3, 1 of Ø10	16 of Ø3	16 of Ø3
Max fiber splicing capacity	12	8(16*)	16	16
Adapters, SC type	4	10+2	16	16
Blockless PLC splitters 60×7×4mm	-	1 of 1:8 or 2 of 1:4	1 of 1:8 or 2 of 1:4	1 of 1:8 or 2 of 1:4
Cassette PLC splitters C1 128×100×25mm	-	1 of 1:8	-	-
Overall dimensions (mm)	209×128×44	210×195×55	320×260×90	320×260×90

\* TWO LAYERS FOR STORAGE OF FIBER SPLICING





## DISTRIBUTION BOXES & JOINT CLOSURES

### Products



**FOSC-2D**



**FOSC-2A**



**FOSC-3**



**FOSC-4**

### Key features



OUTDOOR



CONVINIENT IN FIBER'S ORGANIZATION



LOW COST FTTH

### Technical specification

Product code	FOSC-2D	FOSC-2A	FOSC-3	FOSC-4
Round cable dimensions, mm	3 of Ø8-16	2 of Ø8-17, 2 of Ø8-12	4 of Ø8-16	4 of Ø4-20
Oval cable dimensions, mm	1 of 30-48mm	1 of 32×56	1 of 25×40	1 of 25×44
Drop cable dimentions, mm	-	8 of Ø2-4	-	-
Max splicing capacity	32 (64*)	16 (32*)	120	72 (144*)
Max splicing capacity per tray	8 (16*)	8 (16*)	24	12 (24*)
Adapters, SC type	-	8+2	-	-
PLC splitters, blockless 60x7x4 mm	1 of 1:8 or 2 of 1:4	1 of 1:8 or 2 of 1:4	-	-
IP protection	68	63	68	68
Overall dimensions, mm	300×180×130	320×180×180	435×180×160	413×220

\* TWO LAYERS FOR STORAGE OF FIBER SPLICING TUBES





## ADAPTERS

### Technical specification

Product code	SC
Polish types	UPC, APC
Fiber counts	Simplex, duplex
Insertion losses (IL), dB	≤0.3
Working temperature	-40-+85°C



## BLOCKLESS PLC SPLITTER

### Technical specification

Product code	1×2	1×4	1×8	1×16	1×32	1×64
Head types	SC/APC, SC/UPC					
Fiber cores	G652D, G657A1, G657A2					
Operating wavelength (nm)	1260-1650					
Length, M	0.5-2					
Working temperature	-40-+85°C					
Standard	Telcordia GR-1209-CORE and GR-1221-CORE					



## CASSETTE PLC SPLITTER C1 TYPE

### Technical specification

Product code	1×4	1×8
Head types	UPC, APC	UPC, APC
Fiber cores	G652D, G657A1, G657A2	
Operating wavelength (nm)	1260-1650	
Cassette dimensions, mm	72×82×12.5	72×82×22
Working temperature	-40-+85°C	
Standard	Telcordia GR-1209-CORE and GR-1221-CORE	



## CASSETTE PLC SPLITTER C2 TYPE

### Technical specification

Product code	1×2	1×4	1×8	1×16	1×32	1×64
Head types	SC/APC, SC/UPC					
Fiber cores	G652D, G657A1, G657A2					
Operating wavelength (nm)	1260-1650					
Cassette dimensions, mm	128×100×25		128×100×50		128×100×100	
Working temperature	-40-+85°C					
Standard	Telcordia GR-1209-CORE and GR-1221-CORE					



## DISTRIBUTION PIGTAILS

### Technical specification

Product code	SC	FC	LC
Polish types	UPC, APC	UPC, APC	UPC, APC
Fiber cores	G652D, G657A1, G657A2		
Cable OD & jacket Materials	0.9 mm, PVC	0.9 mm, PVC	0.9 mm, PVC
Insertion losses (IL), dB	≤0.1	≤0.1	≤0.1
Working temperature	-40-+85°C	-40-+85°C	-40-+85°C





**OUTDOOR DROP PATCHCORDS  
AND FAST CONNECTORS**





## OUTDOOR ROUND DROP CABLE PATCHCORDS



### Technical specification

<b>Product code</b>	FOC-R
<b>Fiber capacity</b>	1-12
<b>Fiber cores</b>	G657A1, G657A2
<b>Polish types</b>	UPC, APC
<b>Length, M</b>	10-1000
<b>Cable size, mm</b>	Depend on cable
<b>Insertion losses (IL), dB</b>	≤0.1
<b>Working temperature</b>	-50+85°C

## OUTDOOR FIG 8 DROP CABLE PATCHCORDS



### Technical specification

<b>Product code</b>	FOC-F8
<b>Fiber capacity</b>	1, 2, 4, 6
<b>Fiber cores</b>	G657A1, G657A2
<b>Polish types</b>	UPC, APC
<b>Length, M</b>	10-1000
<b>Cable size, mm</b>	2.0×5.2
<b>Insertion losses (IL), dB</b>	≤0.1
<b>Working temperature</b>	-50+85°C

## INDOOR DROP CABLE PATCHCORDS



### Technical specification

<b>Product code</b>	FOC-F
<b>Fiber capacity</b>	1, 2
<b>Fiber cores</b>	G657A1, G657A2
<b>Polish types</b>	UPC, APC
<b>Length, M</b>	10-1000
<b>Cable size, mm</b>	2.0×3.0
<b>Insertion losses (IL), dB</b>	≤0.1
<b>Working temperature</b>	-50+85°C

## INDOOR DROP CABLE PATCHCORDS



### Technical specification

<b>Product code</b>	FOC-R
<b>Fiber capacity</b>	1, 2
<b>Fiber cores</b>	G657A1, G657A2
<b>Polish types</b>	UPC, APC
<b>Length, M</b>	10-1000
<b>Cable size, mm</b>	2.0×3.0
<b>Insertion losses (IL), dB</b>	≤0.1
<b>Working temperature</b>	-50+85°C





## FIBER OPTIC FAST CONNECTOR

### Technical specification



Connector Type	SC Type 1
Polish	UPC/APC
Insertion Loss	≤0.35dB
Return Loss	≥50dB
Cable Diameters(mm)	0.9/2.0/3.0
Dimension(mm)	50
Ferrule	Ceramic
Fiber Mode	9/125μm Singlemode

## HOT MELT CONNECTOR

### Technical specification



Connector Type	SC Type 58
Polish	UPC/APC
Radius Of Curvature	7mm~25mm
Apex Offset	Max. 50μm
Fiber Height	-50nm~50nm
Operating temp	-40℃~+70℃
Storage temp.	-40℃~+80℃
Dimension	55mm

## FIELD ASSEMBLY FIBER CONNECTOR

### Technical specification



Product Name	Fiber Optic Fast Connector
Product Type	SC/APC SC/UPC
Insertion Loss	≤ 0.3 dB
Return Loss	≥ 45dB
Tensile strength	F>50N
Operate Temperature	-20℃ ~ +75℃
Storage Temperature	-40℃ ~ +85℃

## FIELD ASSEMBLY FIBER CONNECTOR

### Technical specification



Item	Type 10
Length	50mm
Ferrules	SC/APC SC/UPC
Inner Diameter of ferrules	125um
Insertion Loss	AVG≤0.3dB MAX≤0.5dB
Return Loss	APC≥45dB
Working Temperature	-20℃~+75℃
Storage Temperature	-40℃~+85℃
Cables to use with(mm)	Drop cable:2*1.6mm/2.0*3.0mm/2.0*5.0 Round cable:5.0mm/3.0mm/2.0mm/0.9





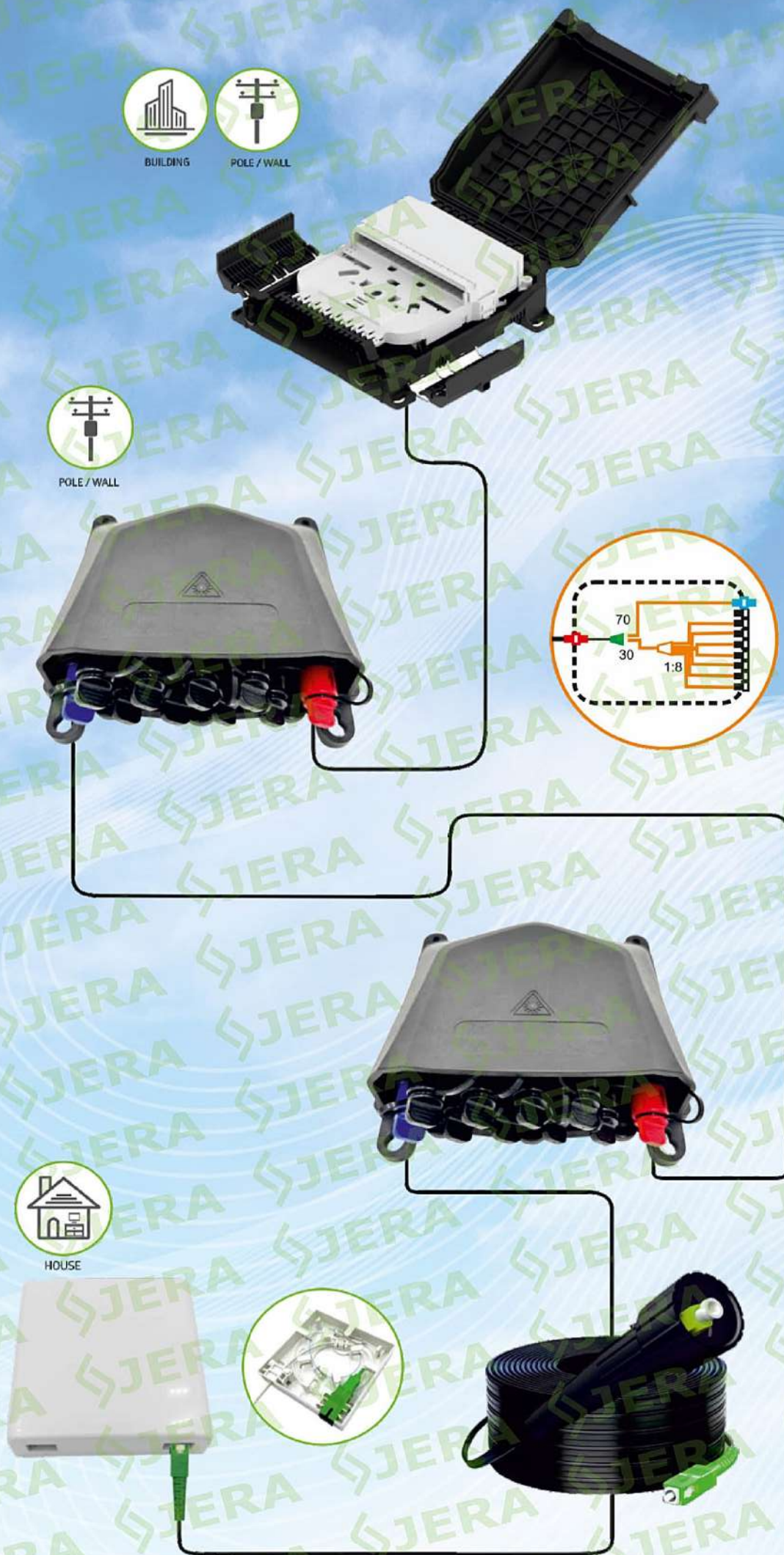
BUILDING



POLE / WALL



POLE / WALL



# FIBER ACCESS TERMINALS PRETERMINATED CONNECTORS





## FIBER ACCESS TERMINALS

### Products



**FAT-8M**



**FAT-12M**



**FAT-16M**

### Key features



LESS OPERATIONAL MISTAKES



LOW COST FTTH



WATERPROOF IP-67



PLUG AND PLAY

### Technical specification

Product code	FAT-8M	FAT-12M	FAT-16M
Total ports	11	12	18
Feeding cable	Mini SC	Hardened SC	Mini SC
Drop cable	8+1	11+1	16+1
Blockless PLC splitters 60×7×4mm	1:2 FBT(70:30 or customized) + 1:8 PLC	1:2 FBT(70:30 or customized) + 1:8 PLC	1:2 FBT(70:30 or customized) + 1:8 PLC 2X1:8 PLC+1X1:16 PLC
Overall dimensions (mm)	195×195×50		230*230*110

## HARDENED SC CONNECTOR

### Technical specification



Product code	Hardened	Mini Hardened	F Type MINI SC fast connector
Fiber capacity	-	1-2	1-2
Fiber cores	G657A1, G657A2	G657A1, G657A2	G657A1, G657A2
Polish types	SC, APC	LC, APC	LC, APC
Length, M	Customized	Customized	Customized
Cable size, mm	Depend on cable	Depend on cable	Depend on cable
Insertion losses (IL), dB	≤0.1	≤0.1	≤0.1
Working temperature	-50-+85°C	-50-+85°C	-50-+85°C

## HARDENED ADAPTERS

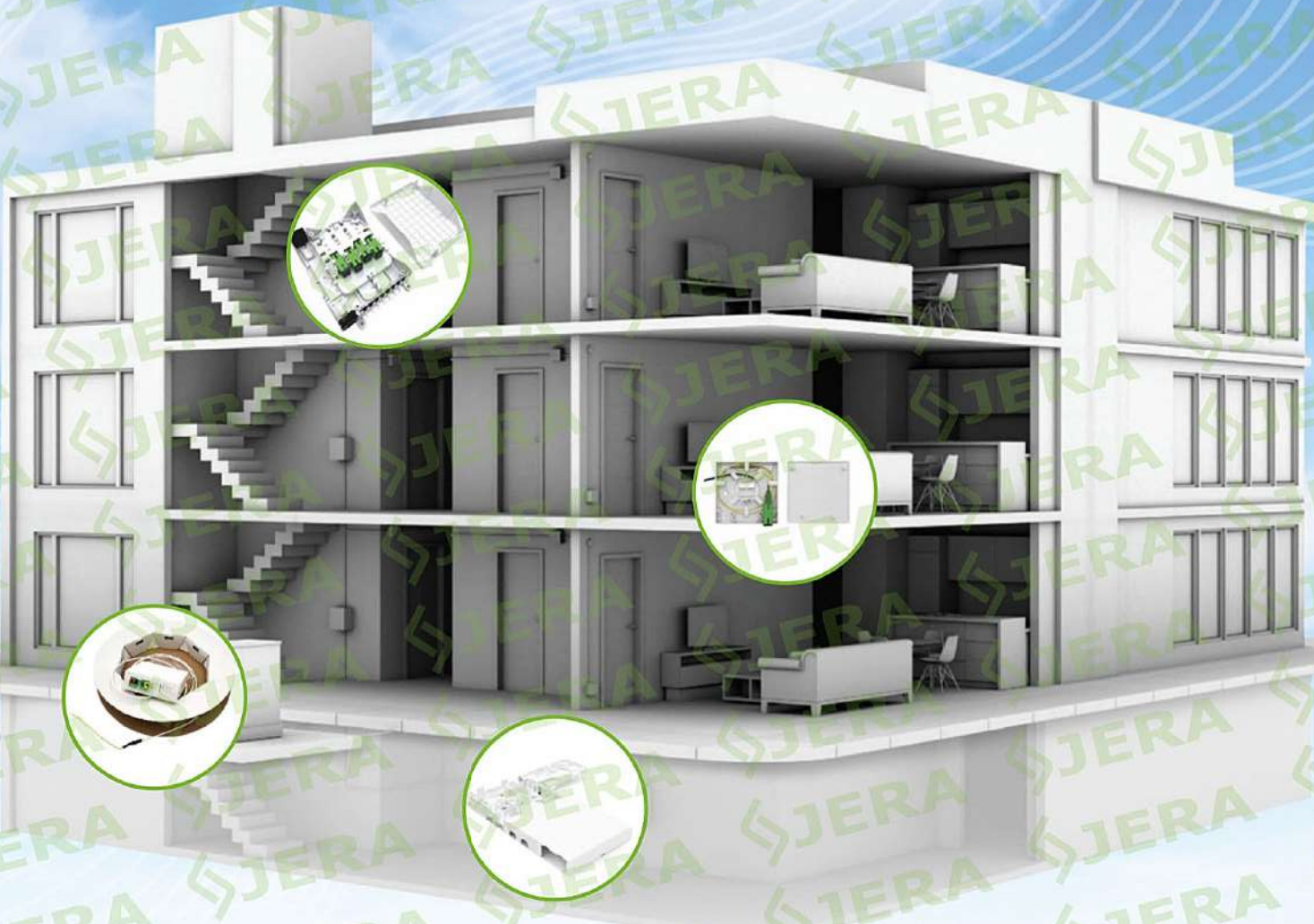
### Technical specification



Product code	Hardened	Mini Hardened	Product code
Polish types	SC, LC	SC	F Type MINI SC fast connector
Fiber counts	Simplex	Simplex	
Insertion losses (IL), dB	≤0.3	≤0.3	
Working temperature	-40-+85°C	-40-+85°C	







# INTERFLOOR BOXES AND ACCESS TERMINALS





## INTERFLOOR FIBER OPTIC BOXES, ACCESS TERMINALS AND SOCKETS

### Products



**ATB-1**



**ATB-2**



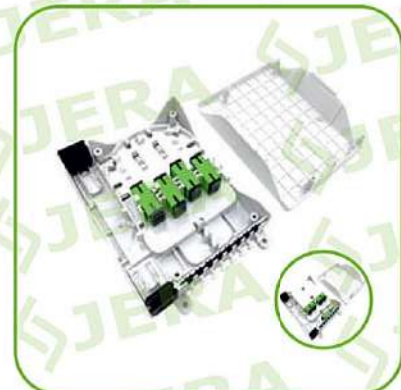
**ODP-02 (1)**



**TRANSPARENT DROP PATCHCORD**



**ODP-05T**



**FODB-8R**

### Key features



SAVE DEPLOYMENT SPEED



100% QUALITY

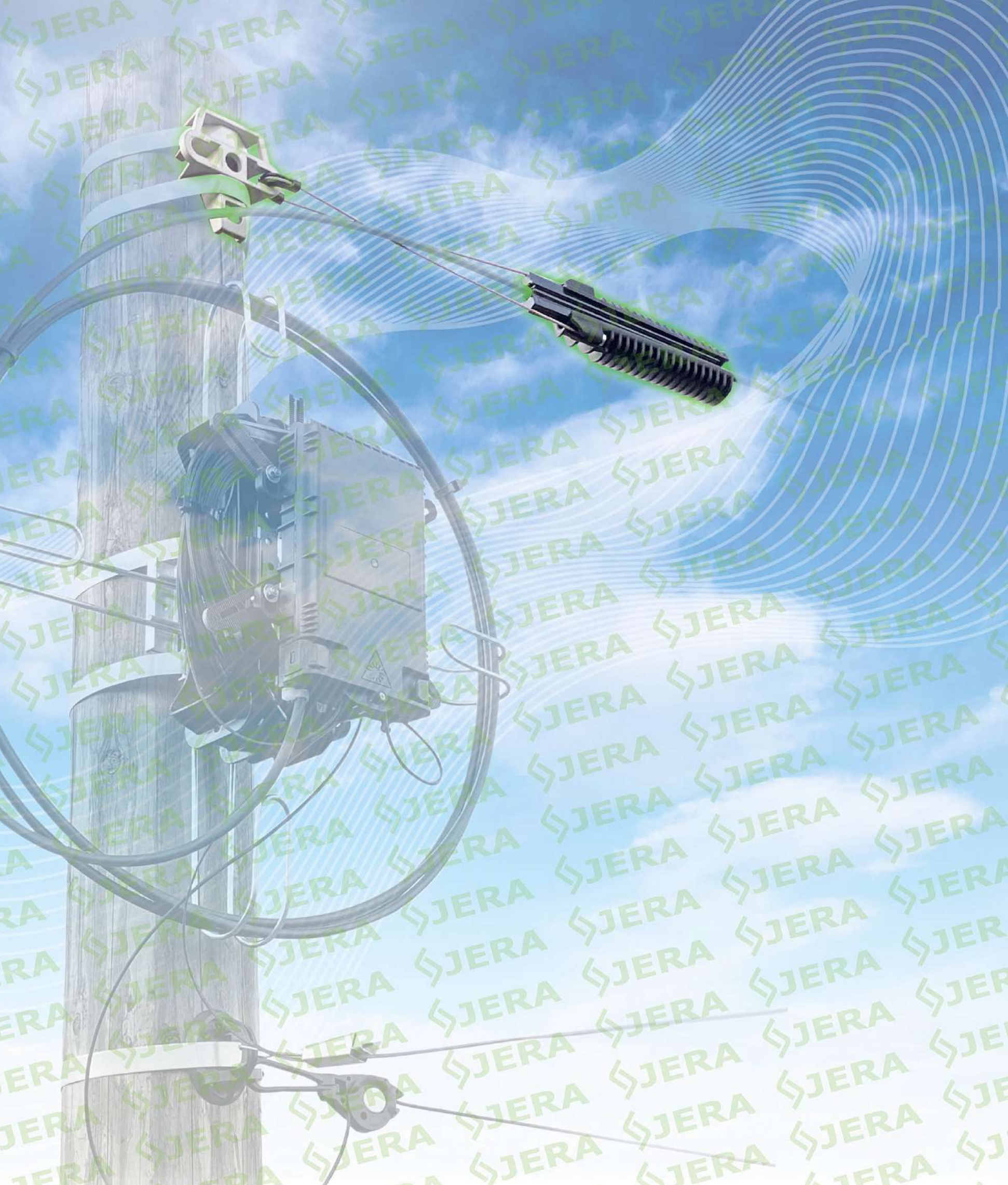


LOW COST FTTH

### Technical specification

Product code	ATB-1	ATB-2	ODP-02(1)	ODP-05	FODB-8R
Drop cables quantity	1	1	1	3	8
Input and cable diameters	4 of 0.9 mm	3 of 0.5 mm	1×Ø3mm, 3×2mm	1×Ø3mm	2×Ø<14mm, 8×Ø2-3mm
Dimensions, mm	93×83×30	100×100×20	86×86×22	76×76	126×150×5
Adaptors SC	1	2	2	2	8+2
Blockless PLC SC Splitters 60×7×4mm	-	-	-	-	1×1*8, 2×1*4





# TENSION, SUSPENSION CLAMPS AND BRACKETS





## PA-TYPE CLAMPS

### Key features



- 1 Reduce installation time.
- 2 Wide cable application size.
- 3 Special patterns for proper grip.
- 4 One piece design.
- 5 Parts do not fall out.
- 6 Stainless steel wire bail.
- 7 Full dielectric options.
- 8 Six shape design for best performance.

### Technical specification

<b>Product code</b>	<b>PA-100</b>	<b>PA-160</b>	<b>PA-260</b>	<b>PA-266</b>	<b>PA-500</b>
<b>Cable size, mm</b>	∅ 3 - 5	∅ 3 - 5	∅ 3 - 8	∅ 3 - 5	∅ 4 - 8
<b>MBL, kN</b>	1.5	0.5	1.5	1.5	2.0
<b>Materials</b>	UV resistant plastic	UV resistant plastic	UV resistant plastic	UV resistant plastic	UV resistant plastic, stainless steel, aluminium

### Technical specification

<b>Product code</b>	<b>PA-560</b>	<b>PA-566</b>	<b>PA-610</b>	<b>PA-700</b>	<b>PA-701</b>
<b>Cable size, mm</b>	∅ 3 - 8	∅ 4 - 8	∅ 6 - 10	∅ 6 - 10	∅ 8 - 12
<b>MBL, kN</b>	1.5	1.5	2.0	3.0	3.0
<b>Materials</b>	UV resistant plastic, stainless steel, aluminium	UV resistant plastic, stainless steel, aluminium	UV resistant plastic, stainless steel, aluminium	UV resistant plastic, stainless steel, aluminium	UV resistant plastic, stainless steel, aluminium





### Technical specification



<b>Product code</b>	<b>PA-702</b>	<b>PA-1000</b>	<b>PA-3000</b>	<b>PA-3001</b>	<b>PA-3002</b>
<b>Cable size, mm</b>	⌀ 10 - 14	⌀ 8 - 14	⌀ 12 - 16	⌀ 14 - 18	⌀ 8 - 15
<b>MBL, kN</b>	3.0	10.0	8.0	8.0	8.0
<b>Materials</b>	UV resistant plastic, stainless steel, aluminium	UV resistant plastic, stainless steel, aluminium	UV resistant plastic, stainless steel, aluminium	UV resistant plastic, stainless steel, aluminium	UV resistant plastic, stainless steel, aluminium

### Technical specification



<b>Product code</b>	<b>PA-3003</b>	<b>PA-3603</b>
<b>Cable size, mm</b>	⌀ 8 - 15	⌀ 8 - 15
<b>MBL, kN</b>	8.0	7.0
<b>Materials</b>	UV resistant plastic, stainless steel, aluminium	UV resistant plastic, stainless steel, aluminium





## PS-TYPE CLAMPS

### Key features

- 1 Reduce installation time.
- 2 Wide cable application size.
- 3 Up to 2x cables one time attachment.
- 4 2 cables different diameter.
- 5 Less skill for installation.
- 6 J-hook type, no extra bracket.
- 7 Full dielectric options.

### Technical specification

<b>Product code</b>	<b>PS-SSM</b>	<b>PS-D8</b>	<b>PS-D12</b>	<b>PS-619</b>	<b>PS-500</b>
<b>Cable size, mm</b>	∅ 8 - 20	∅ 8 - 12	∅ 13-16	∅ 6 - 19	∅ 4 - 11
<b>MBL, kN</b>	3.0	1.5	1.5	3.0	4.5

### Technical specification

<b>Product code</b>	<b>HC-5-8</b>	<b>HC-8-15</b>	<b>HC-15-20</b>
<b>Cable size, mm</b>	∅ 5 - 8	∅ 8 - 15	∅ 15 - 20
<b>MBL, kN</b>	4.0	4.0	4.0
<b>Materials</b>	UV resistant plastic galvanized steel	UV resistant plastic galvanized steel	UV resistant plastic galvanized steel

### Technical specification

<b>Product code</b>	<b>HCT-5-8</b>	<b>HCT-8-15</b>	<b>HCT-15-20</b>
<b>Cable size, mm</b>	∅ 5 - 8	∅ 8-12	∅ 12-15
<b>MBL, kN</b>	5.0	5.0	5.0
<b>Materials</b>	Hot dip galvanized steel	Hot dip galvanized steel	Hot dip galvanized steel

### Technical specification

<b>Product code</b>	<b>HCx2-5-8</b>	<b>HCx2-8-15</b>	<b>HCx2-15-20</b>	<b>HC-2X3-8/8-15</b>
<b>Cable size, mm</b>	∅ 5 - 8	∅ 8 - 15	∅ 15-20	∅ 3-8/8-15
<b>MBL, kN</b>	4.0	4.0	4.0	4.0
<b>Materials</b>	UV resistant plastic galvanized steel	UV resistant plastic galvanized steel	UV resistant plastic galvanized steel	UV resistant plastic galvanized steel





## PA-0/PS TYPE CLAMPS

### Key features



### Technical specification

					
<b>Product code</b>	PA-05	PA-06	PA-07	PA-07X	PA-010X
<b>Messenger's material</b>	Steel	Steel	Steel	Steel	Steel
<b>Diameter of wire over the insulation*</b>	Ø 3-5	Ø 3-6	Ø 3-7	Ø 4-7	Ø 5-10
<b>MBL, kN</b>	2.0	3.0	5.0	3.0/7.0	16.0
<b>Materials</b>	Stainless steel, UV resistant plastic, aluminium, zink	Stainless steel, UV resistant plastic, aluminium, zink	Stainless steel, UV resistant plastic, aluminium, zink	Stainless steel, UV resistant plastic, aluminium, zink	Stainless steel, UV resistant plastic, aluminium, zink

### Technical specification

				
<b>Product code</b>	PS-SS	PS-CS	PS-D1	PA-09
<b>Diameter of wire over the insulation*</b>	Ø 4-5/5-9	Ø 4-5/5-9	Ø 4-7	Ø 2.9-3.6
<b>MBL, kN</b>	8.0	8.0	0.5	5.0
<b>Materials</b>	Galvanized steel, UV resistant plastic	Galvanized steel, UV resistant plastic	Galvanized steel, UV resistant plastic	Stainless steel, aluminium





## JS-TYPE CLAMPS

### Key features

- 1 Long area for cable's grip.
- 2 Tension force equally distributed.
- 3 Once piece design.
- 4 Wide choice for different SPAN.
- 5 Sand covering for better grip.
- 6 Do not damage the cable jacket.
- 7 Wide choice of thimble for guy grips.

### Technical specification

Product code	Thimble, may be applied on tension load	Working load of cable (breaking load), kN	ADSS cable size, mm	Color code	Wire configuration
JS	No Thimble	1 (2)	5.0/5.6	red	Length, mm Weight, kg Specified in accordance to cable working load
		2 (3.5)	5.7/6.5	yellow	
			6.6/7.4	black	
			7.5/8.4	orange	
			8.5/9.4	brown	
			9.5/10.5	white	
	U - 42 (Plastic)	4 (7)	10.6/11.6	blue	
		6 (10)	11.7/12.8	green	
			12.9/14.1	red	
			14.2/15.6	yellow	
			15.7/17.3	black	
			17.4/19.1	orange	
TC - 22 (Steel)		19.2/20.9	brown		
		21/22.8	white		

### Technical specification

Product code	Thimble, may be applied on tension load	Span, m *	ADSS cable size, mm	Color code	Wire configuration
JS-X	No Thimble	50/100	5.0/5.6	red	Length, mm Weight, kg Specified in accordance to cable working load
			5.7/6.5	yellow	
			6.6/7.4	black	
			7.5/8.4	orange	
			8.5/9.4	brown	
			9.5/10.5	white	
			10.6/11.6	blue	
	TR - 01		11.7/12.8	green	
			12.9/14.1	red	
			14.2/15.6	yellow	
			15.7/17.3	black	
			17.4/19.1	orange	
			19.2/20.9	brown	
			21/22.8	white	





## POLE BRACKETS AND HOOKS

### Key features






- 1 Wide choice for different fixing points.
- 2 Universal pole brackets for multi attachment.
- 3 One piece design.
- 4 Parts do not fall out.
- 5 Compatible with other items in range.
- 6 High corrosion resistant materials.
- 3 Tension / Suspension types are available.

### Technical specification

					
<b>Product code</b>	<b>UPB</b>	<b>UPC</b>	<b>PS-1000</b>	<b>ES-1500</b>	<b>CA-800</b>
<b>MBL, kN</b>	F1 - 5, F2 - 3,5, F3 - 9, F4 - 2, F5 - 5	15	10	8	8
<b>Materials</b>	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium

### Technical specification

					
<b>Product code</b>	<b>CA-1000.1</b>	<b>CA-1500.1</b>	<b>YKR-01</b>	<b>YKR-32</b>	<b>YK-42x400</b>
<b>MBL, kN</b>	15	20	8	15	15
<b>Materials</b>	Aluminium alloy	Aluminium alloy	Hot dia galvanized steel	Galvanized steel	Hot dia galvanized steel

### Technical specification

					
<b>Product code</b>	<b>B-16-300-140</b>	<b>B-14-230-140</b>	<b>PB-12-350</b>	<b>PS-8</b>	<b>YK-450</b>
<b>MBL, kN</b>	10	7	7	1	Depend on angle
<b>Materials</b>	Hot dia galvanized steel	Hot dia galvanized steel	Galvanized steel	Galvanized steel	Fiber-glass(FRP), Aluminium, Galvanized steel





**DROP CLAMPS**





## ODWAC-TYPE CLAMPS

### Key features

#### 1. Suitable for different types of fiber cables



#### 2. Suitable for diverse pole/wall mounts and hooks



Horizontal, vertical, open wire bail, close wire bail mounting hooks applications.





### 3. Cable's jacket no damage and protection



Protect cables by exactly choose shim./ The burrs at the outside the cables area.

### 4. Two materials are available



Insulating plastic material.



Stainless steel, no rust

### 5. More stronger tension



The area of the three holes is wider, and the attaching area is bigger.



The shim is thicker harder to deform during pulling of cable.



The shell's backside is wider, the ribs are bigger.





## ODWAC-TYPE CLAMPS

### Technical specification



<b>Product code</b>	<b>ODWAC-22</b>	<b>ODWAC-22B</b>	<b>ODWAC-22E</b>	<b>ODWAC-22P</b>	<b>ODWAC-22S</b>
<b>Cable size, mm</b>	2×3 2×5	4×8 4.5×10	4.5×10	2×3	2×3 2×5
<b>MBL, kN</b>	1.5	1.5	1.2	1	0.5
<b>Materials</b>	Stainless steel	Stainless steel	Stainless steel with electrophoretic paint	Stainless steel, UV resistant plastic	Stainless steel

### Technical specification



<b>Product code</b>	<b>ODWAC-22Y</b>	<b>ODWAC-22H</b>	<b>ODWAC-23</b>	<b>ODWAC-26</b>	<b>ODWAC-PY</b>
<b>Cable size, mm</b>	2×3 2×5	2×3 2×5	∅ 3 - 6,	2×3 2×5	2×3 2×5
<b>MBL, kN</b>	1	0.5	Depend on cable	2	0.5
<b>Materials</b>	Stainless steel UV resistant plastic	Stainless steel UV resistant plastic	stainless steel	Stainless steel	UV resistant plastic

### Technical specification



<b>Product code</b>	<b>ODWAC-PH</b>	<b>ODWAC-I</b>	<b>ODWAC-L</b>	<b>ODWAC-H15</b>
<b>Cable size, mm</b>	2×3 2×5	∅ 4 - 7,	2×3 2×5	2×5 ∅ 2 - 4,
<b>MBL, kN</b>	0.5	Depend on cable	1	0.5
<b>Materials</b>	UV resistant plastic	UV resistant plastic	Dacro steel	UV resistant plastic, galvanized steel





## FISH-TYPE CLAMPS

### Key features



- 1** Cable-fish self-tightening technology.
- 2** Cable is secured by wheel, and its own.
- 3** Suitable for flexible cables.
- 4** One piece design
- 5** Tool free installation.
- 6** 4 types of hooks.
- 7** Dielectric protection

### Technical specification

<b>Product code</b>	<b>FISH-1</b>	<b>FISH-2</b>	<b>FISH-34/35</b>	<b>FISH-5</b>
<b>Cable size, mm</b>	∅ 2.5 - 5	∅ 2 - 5	∅ 3 - 4	∅ 4 - 6
<b>MBL, kN</b>	Depend on cable	Depend on cabl	Depend on cable	Depend on cable
<b>Materials</b>	UV resistant plastic	UV resistant plastic	UV resistant plastic	UV resistant plastic

### Key installation steps



- 1** Take the clamp
- 2** Insert the cable and rotate it start from the bottom
- 3** To put the cable inside in the counter-clockwise direction
- 4** Put the cable in the plastic hanger





## D-TYPE CLAMPS

### Key features



1 Wedge self-tightening technology of cable.



2 Do not damage the cable's jacket.



3 Suitable for diverse pole/wall mounts.



4 Suitable for different types of cables.



5 The buckle can be adjusted freely.



6 Once piece design.

### Technical specification



Product code	D2	D2M	D4
Cable size, mm	Ø 2 - 5, 2 × (3 - 5)	Ø 2 - 5, 2 × (3 - 5)	Ø 2 - 3, <4 × <8
MBL, kN	0.5	0.5	0.5
Materials	UV resistant plastic, galvanized steel	UV resistant plastic, galvanized steel	UV resistant plastic

### Technical specification



Product code	D5	D6	D7M
Cable size, mm	Ø 2 - 5, 2 × (3 - 5)	Ø 4 - 8	Ø 4 - 6
MBL, kN	1	0.5	Depend on cable
Materials	UV resistant plastic	UV resistant plastic	UV resistant plastic

\*MATERIALS & TENSILE STRENGTH MAYBE CUSTOMIZED PER YOUR CABLE OR PROJECT REQUIREMENT.





## S-TYPE CLAMPS

### Key features



- 1 S type tightening technology of cable.
- 2 Do not damage the cable's jacket.
- 3 Suitable for different types of flat cables with steel messenger.
- 4 Once piece design. Close and open hook.

### Technical specification



	S-TYPE	SO-TYPE
<b>Product code</b>	S-TYPE	SO-TYPE
<b>Cable size, mm</b>	2×5	2×5
<b>MBL, kN</b>	1	0.5
<b>Materials</b>	UV resistant plastic, stainless steel	UV resistant plastic

\*MATERIALS & TENSILE STRENGTH MAYBE CUSTOMIZED PER YOUR CABLE OR PROJECT REQUIREMENT.





## YK-TYPE BRACKETS AND HOOKS

### Key features

- 
- Compatible with other clamps in solution.
  - Wide choice for different fixing points.
  - Universal pole brackets for multi attachment.
  - High corrosion resistant materials
  - Tension / Suspension types are available.
  - Full dielectric.
  - One piece design.
  - Quick installation speed.

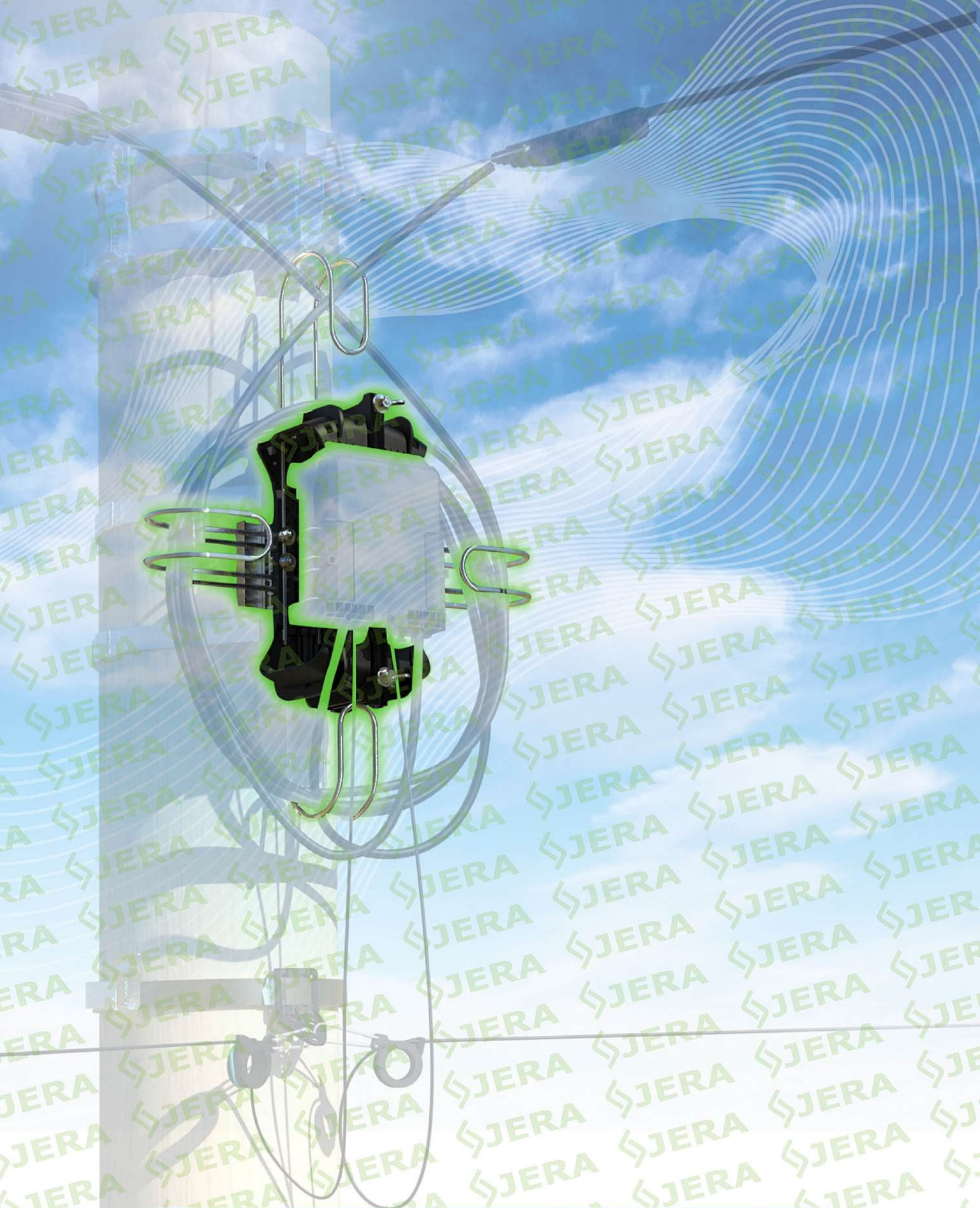
### Technical specification

<b>Product code</b>	<b>YK-01</b>	<b>YK-02</b>	<b>YK-05</b>	<b>YK-06</b>	<b>YK-07</b>	<b>YK-11</b>
<b>MBL, kN</b>	1.5	1	1	2	1.0/1.5	/
<b>Materials</b>	Galvanized steel	Galvanized steel	Stainless steel	Galvanized steel	UV Resistant plastic	Galvanized steel

### Technical specification

<b>Product code</b>	<b>YK-13</b>	<b>YK-14</b>	<b>YK-18</b>	<b>YK-DW-01</b>	<b>YK-PS-06</b>
<b>MBL, kN</b>	1	4	0.5	/	1
<b>Materials</b>	Hot dip galvanized steel	Hot dip galvanized steel, stainless steel belt	UV Resistant plastic	Galvanized steel	Galvanized steel





**CABLE SLACK STORAGES**





## YK-S-TYPE CABLE STORAGE BRACKETS

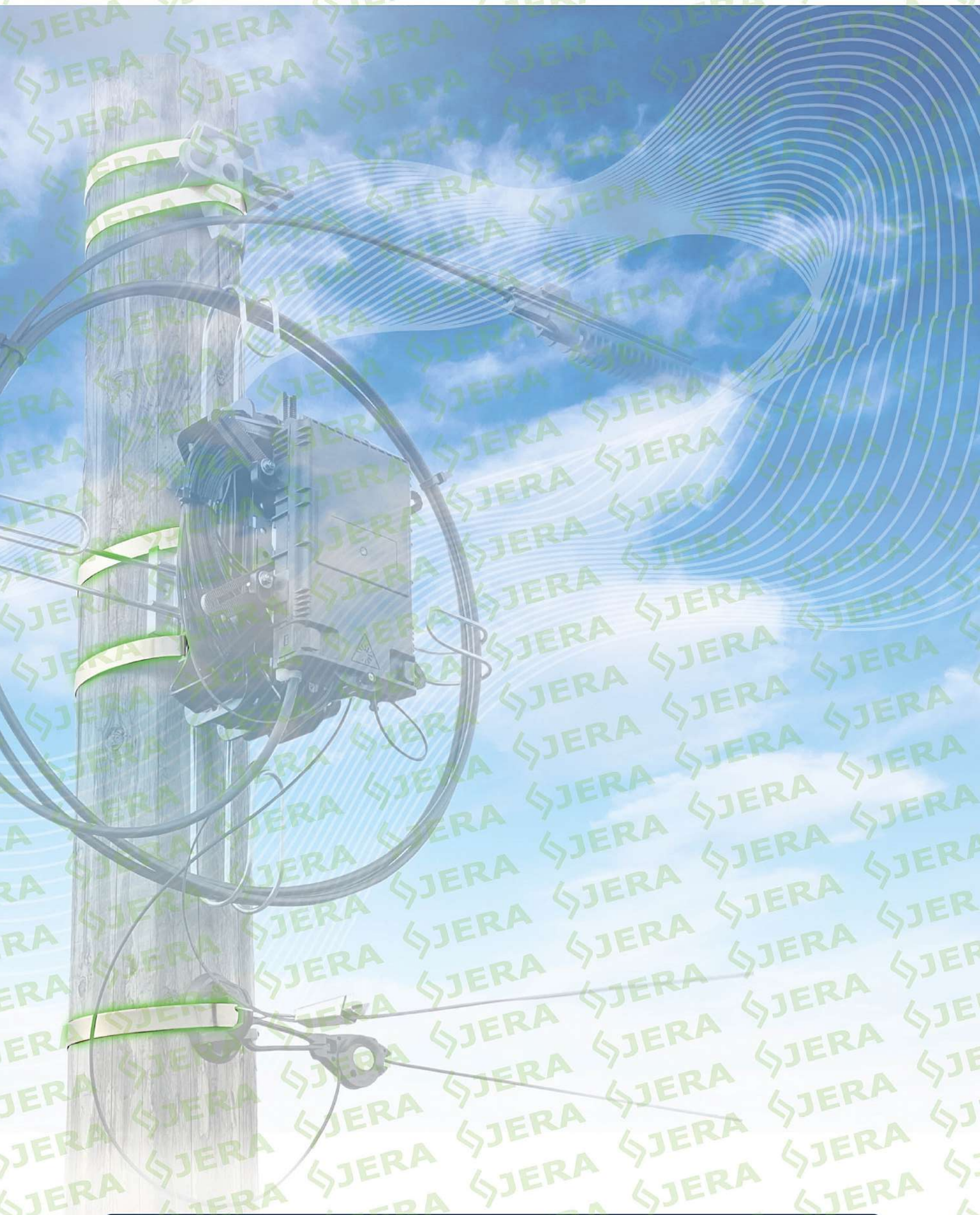
### Key features

-  Low budget options.
-  Compatible with boxes FODB series.
-  Adjustable compartment size for cable.
-  High corrosion resistant materials.
-  Full dielectric.
-  Quick installation speed.
-  Easy to store more cables in future installations.
-  Compact box for logistics and transport.

### Technical specification

				
<b>Product code</b>	YK-S1(one)	YK-S(+SX)	YK-SF	YK-S-3060
<b>Adjustable to cable's size</b>	Yes	Yes	Yes	Yes
<b>Cable storing diameter, mm</b>	50-900	200-450	400	300-600/500-900
<b>Materials</b>	UV resistant palstic	UV resistant palstic	UV resistant palstic	Stainless steel





**STAINLESS STEEL BANDINGS**





## STAINLESS STEEL BANDS

### Products



### Key features



**(AISI)**  
201  
304  
316



J201



1 Complied to international standards 201, 304, 316.

2 Version J201 for low budget projects.

3 No lacking length, width, thickness in box.

4 Dispenser is easy to carry, you can roll back the slack of band.



5 Specify carved bend's edges.



6 Marking is available.

### Technical specification

Material grades, ASTM	J201 (non standard)	AISI 201	AISI 304	AISI 316	
Width	3/8" - 9.5 mm	1/2" - 12.7 mm	5/8" - 16.0 mm	3/4" - 19.0 mm	
Thickness	0.015" - 0.40 mm	0.020" - 0.50 mm	0.025" - 0.64 mm	0.028" - 0.70 mm	0.030" - 0.75 mm
Length for roll, m	30 or 50	30 or 50	30 or 50	30 or 50	30 or 50
Colour of dispenser	Red	Green	Blue	Gray	Yellow





## STAINLESS STEEL BUCKLES, T-TYPE

### Technical specification:

Product code	KL-10-T	KL-13-T	KL-16-T	KL-20-T
Max band width	3/8" - 10 mm	1/2" - 12.7 mm	5/8" - 16.0 mm	3/4" - 20.0 mm
Material grades, ASTM	AISI 201, AISI 304	AISI 201, AISI 304	AISI 201, AISI 304	AISI 201, AISI 304



## STAINLESS STEEL BUCKLES, LX AND LC TYPES

### Technical specification:

Product code	KL-13-L	KL-20-L	KL-20-LC	KL-20-LX
Max band width	1/2" - 12.7 mm	3/4" - 20.0 mm	3/4" - 20.0 mm	3/4" - 20.0 mm
Material grades, ASTM	AISI 201, AISI 304	AISI 201, AISI 304	AISI 201, AISI 304	AISI 201, AISI 304



## STAINLESS STEEL BUCKLE WITH ELECTROPHORETIC PAINT

### Technical specification:

Product code	KL-10-T(E)	KL-13-T(E)	KL-16-T(E)	KL-20-T(E)
Max band width	3/8" - 10.0 mm	1/2" - 12.7 mm	5/8" - 16.0 mm	3/4" - 20.0 mm
Material grades, ASTM	AISI 201, AISI 304	AISI 201, AISI 304	AISI 201, AISI 304	AISI 201, AISI 304

### Key features



(AISI)

201  
304  
316

1 Complied to international standards 201, 304.



T



LC

2 Regular version LC, T for your demand.



KL-16T



KL-16T.M

3 Reinforced T.M-version for higher strength.





## BAND TOOLS

### Procuts



### Key features



DURABLE LIFE SPAN



REPAIR KIT FOR MAINTANANCE



HIGH STRENGHT MATEIRALS

### Technical specification

Product code	MBT-003	MBT-004	MBT-005
Max band width	< 20	< 25	6.4-20
Band thickness	< 1.5	< 1.5	< 0.75

## SELF TIGHTENING TIE

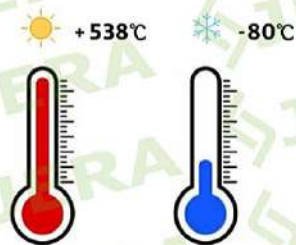
### Procuts



### Key features



1 Material : stainless steel  
AISI 304.



2 Operating temperature :  
-80C to + 538 C



3 Improved locking mechanism.



4 No special tools are required  
for installation.

### Technical specification

Product code	ZDZD	12.7x0.7-CHKO	ZD
Width, mm	10	12.7	10
Thickness, mm	0.4	0.7	0.7
Material, grade, SUS	C304	J201/C304	J201/C304
Length of roll, meters	0.8	30	1





# FIBER OPTIC CABLE INSTALLATION TOOLS





## COLD SHRINK TUBES



### Technical specification:

Product code	CST-20x110	CST-25x110	CST-28x110	CST-44x135
Application diameters, mm	7-20	8.5-25	9.5-28	15-44
Length, mm	110	110	110	135
Shrink ration	3 to 1	3 to 1	3 to 1	3 to 1

## CABLE PULLING SOCKS



### Technical specification:

Product code	SP-6-12-300	SP-12-18-600	SP-18-25-600
MBL, kN	10	12	15
Cable diameter, mm	6-12	12-18	18-25
Length, mm	300	600	600

## FIBER OPTIC CABLE STRIPPER



### Technical specification:

Product code	CFS-2A
Big notch diameter	1mm
Peeling coating range	125-250µm

## STRINGING BLOCKS ( PULLEY )



### Technical specification:

Product code	MT 26-50-30
MBL, kN	20
Material	Nylon
Weight, kg	1.5

## FIBER CORE HEAT SHRINK TUBE



### Technical specification:

Product code	RGS-TM-40
Working temperature	-45 ~ 110°C
Shrinking temperature range	120°C

## FTTH FIBER OPTIC TOOL KITS



### Technical specification:

Product code	FOKIT-1
Qty	8

### Key features



HIGH DURABILITY AND PERFORMANCE



COMPATIBLE WITH PRODUCED CABLES



# JERA LINE'S APPROACH IN FIBER OPTICS

**2013**

Pole banding family



**2012**

Jera Line was established



**2017**

Drop clamp & brackets



**2018**

Fiber optic drop cables



**2019**

Fiber optic boxes & storage system launched



**2021**

Pre-connected outdoor cables



**2023**

Pre connectorized Solution (Bayonet Type)



**2024**

Indoor ODN







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