



FIBRAIN 



FIBER OPTIC INSTALLATION TOOLS

Tools & equipment

Product presentation

FIBRAIN Product Center → www.fibrain.com

JT-CST-900

Round cable strip & ring tool



Replaceable blade



Blade depth adjustment



High durability



Round cables



Mid-span tube cutting

- Designed for the fast and precise removal of round cable jackets 8-28 mm in diameter
- Blades are coated with titanium-nitride (TIN) for longer life, faster cutting, and less wear
- Large adjustment screw allows for precise blade depth adjustments
- Specially designed blade automatically adjusts from ringing to slitting
- Includes (1) spare replacement blade (stored in the handle of the tool)

Technical specification

Cut type	Slit, Ring
Cable type	Jacket, Round distribution
Strip Diameter [mm]	8-28
Dimensions [mm]	130 x 30 x 28
Weight [kg]	0.068

Ordering

JT-CST-900	Round cable strip & ring tool, 8-28 mm
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JT-CST-1900

Round cable strip & ring tool



Replaceable blade



Blade depth adjustment



High durability



Round cables



For hard coatings



Mid-span tube cutting

- Designed for fast and precise removal of cable jackets from round cables 4.5 mm – 29 mm in diameter
- Can cut through a variety of jacket materials such as PVC, rubber, PE, and many more
- Triple action design as it can make longitudinal cuts for end stripping, spiral cuts for end and mid span stripping, circular cuts for jacket removal
- Spring-loaded blade can be rotated 90 degrees for versatile slitting and can be adjusted for multiple round cable sizes
- Blade depth 0-3 mm

Technical specification

Cut type	Slit, Ring
Cable diameter [mm]	4.5 - 29
Blade depth [mm]	0 - 3
Dimensions [mm]	137 x 37 x 30
Weight [kg]	0.095

Ordering

JT-CST-1900	Round cable strip & ring tool
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FB9213G

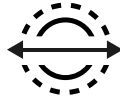
Fiber cable and tube slit & ring tool



Longitudinal and circular cuts



Replaceable blade



Tubes 0-3 mm

- Designed to slit and ring fiber optic cables and tubes
- Blade depth is easily adjustable, up to 3 mm
- Includes two cutting blades and one rounded blade for slitting without damaging the inner conductors

Technical specification

Cut type	Ring, Slit
Maximum cable/tube diameter [mm]	3
Dimensions [mm]	87 x 12 x 17
Weight [kg]	0.018

Ordering

FB9213G	Fiber cable and tube slit & ring tool 3 mm
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JT-FCT-100

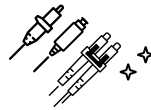
Fiber connector tool for LC, SC connectors JT-FCT-100



Firm grip



Many connector types



Easy manipulation between connectors

- For removing simplex or duplex LC and SC connectors
- Works with MU, MT-RJ, and other similar type of connectors
- Spring-loaded design with dual component thermoplastic rubber TPR grips for maximum comfort and control
- Rubber protected jaws safely secure and grip connectors without damaging them

Technical specification

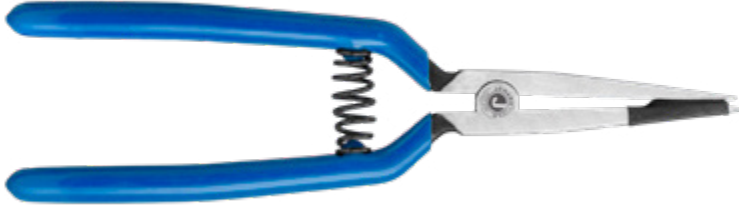
Fiber connectors type	LC, SC-simplex, SC-duplex, MU, MT-RJ
Dimensions [mm]	266 x 63 x 15
Weight [kg]	0.240

Ordering

JT-FCT-100	Fiber connector tool for LC, SC connectors
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JT-FCT-200

Fiber connector tool for LC connectors JT-FCT-200



Firm grip



**Easy manipulation
between
connectors**

- Designed to insert and extract LC connectors in High-Density patch panels for tightly packed bulkheads
- Works with LC and SC simplex connectors as well as MU and other similar connectors
- Unique jaws of the tool easily grasp LC connectors firmly without damaging them or the surrounding connectors
- Rubber protection on the jaws safely and securely grips connectors without damaging them
- Spring-loaded handle with ergonomic grip provides

Technical specification

Fiber connector type	LC Simplex, SC simplex, MU
Dimensions [mm]	232 x 61 x 15
Weight [kg]	0,174

Ordering

JT-FCT-200	Fiber connector tool for LC connectors
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FOD-2000

Fiber optic flat cable slitter JT-FOD-2000



Replaceable blade



Flat cables



Divisible construction



Mid-span cuts

- Designed to strip flat drop cable jackets at mid span or end sections
- Slits both sides of the jacket simultaneously, allowing easy access to fiber or strength members
- Can separate the jacket and strength members from the buffer tube leaving fiber undamaged
- Two reversible blades come preassembled and can be reversed when worn for double life

Technical specification

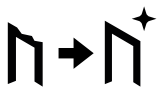
Cable type	Flat drop jacket
Maximum cable width [mm]	8.89
Dimensions [mm]	114 x 88 x 41
Weight [kg]	0.077

Ordering

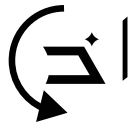
JT-FOD-2000	Fiber optic flat cable slitter
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FS-1080

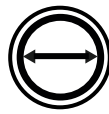
Microduct scoring tool



Replaceable blade



Ring scoring blade



Microducts
5-16 mm

- Special design allows to score and ring microducts without damaging cable inside
- Spring-loaded butterfly clip makes it easy to open and position it on microducts
- Wide jaws curl around the microducts, holding them in place while scoring
- Replaceable blade

Technical specification

Microduct wall thickness [mm]	1.0-1.3
Microduct diameter range [mm]	5-16
Blade depth [mm]	1
Weight [kg]	0.020

Ordering

JT-FS-1080	MetroJET microduct scoring tool
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JT-JIC-186

Kevlar cutting shears



Firm grip



Serrated blade



High blade durability

- Designed to cut Kevlar, cabling insulation, tape, cable ties and other materials
- High carbon stainless steel blades are heat-treated to HRC 58-60 for longer life and durability
- Handles are made of dual component nylon and santoprene material
- Serrated blade for gripping as well as sharp and durable cutting

Technical specification

Handle type	Nylon and Santoprene
Dimensions [mm]	152 x 79 x 20
Weight [kg]	0.080

Ordering

JT-JIC-186	Kevlar cutting shears
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JIC-375

Fiber optic stripper, three hole



- 1.6-3.0 mm
- 0.6-0.9 mm
- 0.25 mm

3 grooves



Firm grip



Long lasting tool

- Designed for stripping all common fiber stripping functions
- First hole strips the 1,6 mm – 3.0 mm jacket
- Second hole strips the buffer coating exposing the acrylate coating on the optical fiber
- Third hole strips the acrylate coating exposing the glass fiber without nicking or scratching the fiber
- Angled jaw guides fiber into the 3rd hole to prevent accidental cutting of the fiber
- Safety lock allows the tool to be easily stored
- Tool is made of strong high carbon steel and handle is made of TPR (Thermoplastic rubber) for high durability and comfort

Technical specification

Cable type	Jacket, Buffer, Fiber Optic
Strip Diameter	250 micron, 600-900 micron, 1.6 mm - 3.0 mm
Dimensions [mm]	152 x 56 x 12
Weight [kg]	0.100

Ordering

JT-JIC-375	Fiber optic stripper, three hole
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JT-JIC-1626

Wire striper 16-26 AWG



Firm grip



Long lasting tool



Tempered steel blade

- Designed to cut and strip the most commonly used stranded and single conductors
- Conveniently located holes make ending and looping wire quick and easy
- Coil spring reduces hand fatigue when using the tool for extended periods of time
- 50 HRC black oxide finish enhances strength and durability of the tool

Technical specification

Cable type	Cut & strip
Wire gauge	16-26 AWG (1.3 mm – 0.40 mm)
Dimensions [mm]	166 x 49 x 12
Weight [kg]	0.120

Ordering

JT-JIC-1626	Wire striper 16-26 AWG
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MDC-14

Microduct tube cutter



Circular straight cut



**Microducts
5-14 mm**



Firm grip

- Designed to cut microducts cleanly and straight up to 14 mm in diameter
- Fits for cutting most microducts including tubing made from PVC, Nylon, and other materials
- Made from polypropylene with thermoplastic rubber (TPR) grips for maximum comfort
- Heat treated stainless steel blade cuts through ducts with ease

Technical specification

Maximum duct diameter [mm]	14
Blade material	Stainless steel
Dimensions [mm]	132 x 46 x 16
Weight [kg]	0.055

Ordering

JT-MDC-14	Microduct tube cutter
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MS-306

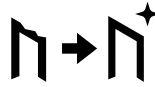
Mid span slit & ring tool for small cable diameters



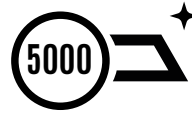
6 grooves



Longitudinal and circular cuts



Replaceable blade



High blade durability
(up to 5000 cuts)



Mid-span cuts

- For mid span and end cable striping
- Consists 12 grooves for different cable diameters
- One side of the tool performs radial/ring cuts and the other side slits the cable (longitudinal cut)
- Blades on both sides of the jaws – cutting on opposite sides of the cable at the same time
- Indicator line on top of the unit indicates the position of the blade for accurate slitting and ringing
- Replaceable blades

Technical specification

Cable diameter range [mm]	1.2-3.3
	1.2-1.5
	1.5-1.8
Slit & ring grooves sizes [mm]	1.8-2.1
	2.1-2.5
	2.5-2.9
	2.9-3.3
Weight [kg]	0.150
Dimensions [mm]	50 x 39 x 41

Ordering

JT-MS-306	mid span slit & ring tool 1.2-3.3 mm
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MS-326

Cable mid span slit & ring tool for thin jackets



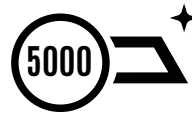
5 grooves



Longitudinal and circular cuts



Replaceable blade



**High blade durability
(up to 5000 cuts)**



Mid-span cuts

- For mid-span cable stripping
- Consists 10 grooves for different cable diameters
- One side of the tool performs radial/ring cuts and the other side slits the cable (longitudinal cut)
- Blades on both sides of the jaws – cutting on opposite sides of the cable at the same time
- Indicator line on top of the unit indicates the position of the blade for accurate slitting and ringing
- Replaceable blades

Technical specification

Cable diameter range [mm]	5-10
Slit & ring grooves sizes [mm]	5.0-5.6
	6.0-6.6
	7.2-7.8
	7.8-8.4
	9.4-10
Weight [kg]	0.097
Dimensions [mm]	73x38x54

Ordering

JT-MS-326	Mid span slit & ring tool, 5.0-10 mm
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MS-426

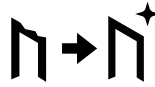
Cable mid span slit & ring tool



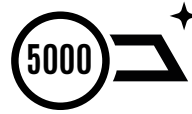
4 grooves



Longitudinal and circular cuts



Replaceable blade



High blade durability (up to 5000 cuts)



Mid-span cuts

- For mid-span and end cable stripping
- Consists 8 grooves for different cable diameters
- One side of the tool performs radial/ring cuts and the other side slits the cable (longitudinal cut)
- Blades on both sides of the jaws – cutting on opposite sides of the cable at the same time
- Hold-down clamps keep the cable in one position when notching
- Indicator line on top of the unit indicates the position of the blade for accurate slitting and ringing
- Replaceable blades

Technical specification

Cable diameter range [mm]	5.8-12
Slit & ring grooves sizes [mm]	5.8-6.4
	7.8-8.4
	9.8-10.4
	11.2-12
Maksimum cable jacket thickness	2
Weight [kg]	0.209
Dimensions [mm]	91 x 39 x 86

Ordering

JT-MS-426	Mid span slit & ring tool, 5.8-12 mm
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FB9240

Tube and buffer mid span slitter



6 grooves



Mid-span tube cutting



Replaceable blade

- For mid span tube slitting
- Consists 6 grooves for different tube diameters
- Blades on both sides of the jaws – cutting on opposite sides of the tube at the same time
- Indicator line on top of the unit indicates the position of the blade for accurate slitting
- Replaceable blades

Technical specification

Tube diameter range [mm]	1.2-3.3
Slit grooves sizes [mm]	1.2-1.5
	1.5-1.8
	1.8-2.1
	2.1-2.5
	2.5-2.9
	2.9-3.3
Weight [kg]	0.042
Dimensions [mm]	56 x 21 x 38

Ordering

FB9240	Mid span tube and buffer slitter (1.2-3.3 mm)
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RCS-25

Ratcheting duct and cable slitter



Replaceable blade



Longitudinal cuts of pipes and cable coats



Blade depth adjustment

- Blade penetrates duct walls
- Allows to make mid-span window cuts in cables and ducts
- Slits and rings cable made of PVC, PE, rubber, and other jacket materials
- Replaceable blade

Technical specification

Cutting depth [mm]	0-5
Minimum cable diameter [mm]	25
Overall length	152
Weight [kg]	0.167

Ordering

MT-RCS-25	MetroJET ratcheting duct and cable slitter
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FC-500

Precision fiber cleaver



Replaceable blade



Up to 48,000 cuts



**Cutting angle
up to 0.5°**

- Designed to provide a precise cleave and prepare a fiber to be fusion spliced
- Provides a cleave with a cutting angle of less than 0.5° for optimal fiber preparation
- Long life of 48,000 cuts with 16 position blades
- Lightweight and rugged design for long term durability
- Holds 250 µm and 900 µm fiber and comes with built in fiber trash can
- Scaled holder for accurate cleave lengths from 5 to 20 mm

Technical specification

Cleave length [mm]	5 – 20 (Single fiber 0.25 mm coating) 12 – 20 (Single fiber 0.9 mm coating)
Cleave angle [°]	Less than 0.5
Blade life	48,000 (3,000 per blade position)
Dimensions [mm]	0.260
Weight [kg]	67x100x59

Ordering

JT-FC-500	Precision fiber optic cleaver
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FC-220

Fiber leaf cleaver JT-FC-220



Durable blade



**For single
and multimode
fibers**

- Designed to cleave either 900 μm buffered or 250 μm coated fiber
- Strong carbide blade will last up to 6000 cleaves before needing to be replaced
- Leaf spring scale is ruled to allow accurate and precise cleave lengths from 2 to 20 mm
- Handles both single and multi-mode fibers with 125 μm cladding

Technical specification

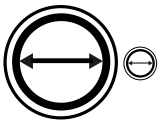
Cleave length [mm]	2 - 20
Dimensions [mm]	124 x 20 x 40
Operating temperature [°C]	0 - 40
Storage temperature [°C]	-20 - 60
Weight [kg]	0.048

Ordering

JT-FC-220	Fiber leaf cleaver JT-FC-220
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MT-TC1

Large fiber duct cutter



Large cutting diameters



Ratchet design



Minimum cutting effort

- Designed to cut large fiber ducts up to 64 mm in diameter
- For cutting: PVC, CPVC, PE, HDPE, PEX and other nonmetallic tubing
- Triangular blade provides square and straight cuts by holding the tubing in place
- Ratcheting design provides high amount of leverage to facilitate cutting with minimal effort
- Comfortable one-handed operation with included easy open release
- Safety latch at bottom of handle prevents tool from accidentally opening

Technical specification

Maximum duct diameter [mm]	64
Overall length	241.3
Blade material	Stainless steel
Body material	Aluminum alloy
Weight [kg]	0.55

Ordering

MT-TC1	Metrojet fiber duct cutter for prefabricated pipes
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JIC-750

Fiber cable cutter 19 mm



Non-crushing and non-fraying tips



Tempered steel blade



Easy cut

- Designed to cleanly cut up to 3/4" (19,05 mm) coaxial cable and small/large fiber cables without compressed or frayed ends
- Made of chrome vanadium steel with induction-hardened cutting edges for maximum strength and durability
- Eliminates cable distortion during prep by functioning like a tube cutter
- Ergonomically designed handle with dipped plastic grip for greater comfort and torque
- This product is not for use on steel cables

Technical specification

Cable type	Fiber, coax
Maximum cable diameter [mm]	19.05
Jaw thickness [mm]	6.35
Jaw width [mm]	31.75
Material	Chrome vanadium steel
Dimensions [mm]	209 x 50 x 15
Weight [kg]	0.341

Ordering

JT-JIC-750

Fiber cable cutter 19 mm

FB9110

Fiber optic duty wipes



**For cleaning fibers
and optical
instruments**



Lint-free wipes

- Wipes suitable for cleaning ferrule end-faces, fiber (for termination) or optical instruments.
- Soft and light quality
- Can be used either dry or with cleaning liquids
- Non-woven

Technical specification

Sheets [pcs]	280
Wipes size [mm]	110 x 190

Ordering

FB9110	Fiber optic duty wipes
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EAC-TLS-RT-A0

EAC jacket window cutting tool



For the EAC cable



Replaceable blade



Effortless window cut in EAC cable sheath

- Tool designed to cut window in EAC cable sheath
- Replaceable blades
- Light and durable aluminum housing

Technical specification

Cable type	Easy access cable (EAC)
Cable diameter range [mm]	8-15
Tool dimensions [mm]	58x109x32
Housing material	Anodized aluminum

Ordering

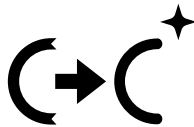
EAC-TLS-RT-A0	EAC cable window cutting tool
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JT-TC-300

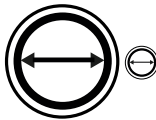
Tube cutter with edge reamer



Quick blade release



Additional deburring tool



Large cut diameter



Safe pipe interior while cutting

- Designed to perform radial cuts on 6.3-76 mm pipes or micropipes
- Perfect for cutting open fiber optic ducts and other tubes without damaging anything inside them
- Four roller bearings securely hold pipes in place while cutting
- Quick release push button disengages the tool from the pipe quickly and easily
- Removable reamer stored neatly in handle for deburring and reaming after cutting
- Cutting wheel can be removed easily without tools
- Included spare cutting wheel stored within the knob for convenience

Technical specification

Cutting diameter [mm]	6.3-76
Body material	Die cast aluminum
Dimensions [mm]	228x101x25
Weight [kg]	0.885

Ordering

JT-TC-300	Tube cutter with edge reamer
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FB7187P

Fiber optic technician tool case



Compact and spacious



Solid construction

- Specifically selected tools to work with fiber optic cables and fibers
- Cleaning accessories for connectors and adapters
- General purpose tools with visual fault locator

Case contents

1	Fiber waste bin	11	Cleaning set for fibers, connectors and adapters
2	Kevlar scissors	12	45 mm splice protection sleeves – 100 pcs.
3	Fiber optic stripper, three hole	13	130 mm tweezers
4	Round cable strip & ring tool	14	1" brush
5	Wire striper 16-26 AWG	15	3x6" cross screwdriver
6	Cable labelling marker	16	5/16" x 6" flat screwdriver
7	Cable and wire cutters	17	Eco alcohol dispenser
8	Visual fault locator, 2.5 mm universal output power, 5mW optical power, 650 nm laser	18	Cleaning tissues kim wipse 280 szt. / box
9	Utility knife with a replacable blade	19	100 x 2.5 cable tie – 100 pcs.
10	Grey tube striper	20	100 x 3,6 cable tie – 100 pcs.
		21	Black insulation tape PCV 10 m x 15



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