

TICA

SOLUTIONS

CATÁLOGO DE PRODUCTOS

Materiales y Equipos para **Fibra Óptica**

TS-FIBER



Adaptador de Fibra Óptica



LC/APC-LC/APC/
SX/DX



LC/UPC-LC/UPC/
OM3/QUAD



LC/UPC-LC/UPC/
MM/DX



FC/APC-FC/APC/
SM/Small D



FC/APC-FC/APC/
SM/Rectangle



FC/UPC-FC/UPC/
SM/Small D



ST/UPC-ST/UPC/
MM/SX



ST/UPC-ST/UPC/
SM/DX



ST/UPC-ST/UPC/
MM/DX



SC/APC-SC/APC/
XM/SX



SC/UPC-SC/UPC/
SM/DX



SC/UPC-SC/UPC/
OM4/DX

Atenuador de fibra óptica



LC



SC



ST



FC



UPC VS.APC



Male-Female vs. Female-Female



Conector rápido de Fibra Óptica



SC/APC



SC/UPC



SC/APC



SC/UPC



SC/UPC



SC/APC



SC/APC



SC/UPC



SC/APC



SC/UPC



SC/APC



SC/UPC

Conector de Fibra Óptica



LC Connector



SC Connector



MPO Connector



FC Connector



ST Connector



MTRJ Connector

Patch Cord de Fibra Óptica



MPO/UPC-MPO/UPC OM3 12FO



LC/APC-LC/APC SM SX



LC/UPC-SC/UPC SM DX



LC/UPC-LC/UPC OM3 DX



MPO/APC - LC/UPC SM 12FO



SC/APC-SC/APC SM SX

Pigtail de Fibra Óptica



SC/APC SM



LC/UPC OM3



SC/APC 12C



LC/UPC 12C



SC/APC 12C breakout pigtail



Breakout pigtail FC/UPC SM

Splitter de Fibra Óptica



PLC-1X16 SC/UPC
Steel tube splitter



PLC-1X16 SC/APC
Steel tube splitter



PLC-1X16 SC/UPC
ABS box splitter



FBT-1X2 SC/APC Steel
tube splitter



FBT-1X16 SC/APC ABS
box splitter



8 CHANNEL CWDM MUX
DEMUX

Splitter box Fibra Óptica



D-1X8 SC/APC



D-1X8 SC/UPC



D-1X16 SC/APC



OSB-1X4SC-S



OSB-1X16SC-S



OSB-1X32SC-S

Bandeja de empalme de Fibra Óptica



Material :ABS
 Max capacity:24 fibers
 Size:158*95.1*13.3mm
 With metal plug for closing cover



Material :ABS
 Max capacity:24 fibers
 Size:172.2*119.4*18.2mm
 With cover



Material :ABS
 Max capacity:24 fibers
 Size:159.8*130*12.9mm
 With cover



Material :ABS
 Max capacity:24 fibers
 Size:223.5*116*12.2mm
 With transparent cover & identify label



Material :ABS
 Max capacity:12 fibers
 Size:154.5*92*9.1mm
 With cover & straight splice slot



Material :ABS
 Max capacity:24 fibers
 Adapter Port: 12 SC Simplex
 With plastic gray white cover

Organizador de cables



Material: ABS
 Max capacity:12 fibers
 Size:482.6*85*44mm
 Application:19" rack mounted



Material :ABS
 Max capacity:24 fibers
 Size:482.6*76.9*44mm
 Application: 19" rack mounted

Rosetas para Fibra Óptica



Size:86.5x86.5x20.4mm

ABS
2 SC simplex
2 fiber



Size:86x86x24.2mm

ABS/PP
2 SC simplex
2 fiber



Size:97.9x86.3x22mm

ABS
2 SC simplex
2 fiber



Size:80x100x23.4mm

ABS
2 SC simplex
2-4 fiber



Size:100.5x85x29mm

ABS
4 SC simplex
without flange 4 fibers



Size:83.29x105x24.5mm

ABS
2 SC simplex
without flange 2-4 fibers



Size:97.8x86.1x27.9mm

ABS
2 SC Simplex
2 fiber



Size:115.3x85.6x22.7mm

ABS
1 SC duplex
2 fiber



Size:115.3x85.6x22.7mm

ABS
1 SC simplex
2 fiber

Caja de terminales de fibra óptica



Size:150x110x34mm

ABS material

4 SC simplex

4 fiber

2 ports



Size:141.6x211.6x39.8mm

ABS material

4 SC simplex

8 fiber

1 in & 4 out ports



Size:206.8x230.3x52.7mm

ABS material

8 SC simplex

8 fiber

2 cable gland & 8 ports



Size:171.2x206x45mm

ABS material

8 SC simplex

8 fiber

3 ports



Size:206.8x230.8x66.5mm

ABS material

12 SC simplex

12 fiber

2 cable gland & 13 cable ports



Size:250.4x302x91.9mm

ABS material

16 SC simplex

16 fibers

2 U-shaped & 16 drop cable ports



Size:300x210x903mm

ABS material

24 SC Simplex,16 fiber

4 in 16 out



Size:236.5x304.1x104.3mm

ABS material

16 SC simplex,16 fiber

2 round & 16 drop cable ports



Size:236.5x304.1x104.3mm

2pcs D-1X8 or 1pc D-1X16

16 fibers

2 round & 16 drop cable ports

Caja de terminales de fibra óptica



Size:274.3x313.4x114.1mm
 ABS material
 2pcs D-1X8 or 1pcs D-1X16
 24 fiber
 2 round & 24 drop cable port



Size:288.5x403x126.1mm
 ABS material
 4pcs D-1X8 or 2pcs D-1X16
 48 fiber
 4 PG gland & 2 reserved ports



Size:243x411.5x143mm
 PP+GF
 24 SC simplex
 48 fiber
 4 ports & 16 drop cable ports



Size:245.6x307.5x103.8mm
 ABS material
 24 SC simplex
 144 fibers
 6 ports



Size:192.4x132x46.4mm
 ABS material
 8 SC simplex
 8 fiber
 4 in 8 outlet



Size:351.5x262.6x119.8mm
 ABS material
 24 SC simplex
 24 fibers
 1 oval port with 2 holes&24drop cable ports



Size:182.5x306.4x115.5mm
 ABS material
 18 SC Simplex,16 fiber
 2 PG gland + 1 oval + 16 drop cable port



Size:355.8x380x140.5mm
 ABS material
 48 SC simplex
 48 fiber
 2 round & 48 drop cable port



Size:397x467x125mm
 ABS material
 96 SC simplex
 192 fibers
 8 PG gland port

Mufas horizontales



Size:190x90.1x21.5mm
 ABS,1 module 6~12FO
 Max 12 fibers,1 in 1 out
 Outdoor aerial hanged, wall mounted



Size:400x200.2x107mm
 ABS,4 trays 12FO
 max 48 fibers,3 in 3 out
 Outdoor aerial hanged



Size:466x184.2x94mm
 ABS,2 trays 24FO
 Max 48 fibers,2 in 2 out
 Can load 10 SC simplex adapter & PLC 1:8 splitter;2 entry port & 2 drop cable port for 16pcs 2*3mm drop cable



Size:360x215x80mm
 ABS,1 trays 24FO
 6 & 16 drop cable port
 Outdoor aerial hanged, wall mounted;Can load 9 SC simplex adapter & PLC 1:8, 1:16 splitter



Size:330.8x194.7x113mm
 PP,3 trays 24FO
 max 72 fibers,3 in 3 out
 Outdoor aerial hanged



Size:281.6x200.3x88.5mm
 ABS,4 trays 6~12FO
 max 48 fibers,2 cable ports
 Outdoor aerial hanged, wall mounted, pole mounted



Size:330x183x115.5mm
 PP, 2 tray 24FO
 48 fibers, 6 ports



Size:179.8x72.6x21.1mm
 ABS,Max 4 fibers
 1 in 2 out
 Wall mounted or aerial hanged



Size:211x207x42.2mm
 ABS,1 tray 12~24FO
 max 24 fibers,2 in 2 out
 Outdoor aerial hanged

Cajas NAP



Size:424x175.8x106mm
 ABS,5 trays 12~24FO
 max 120 fibers,2 in 2 out
 Outdoor aerial hanged



Size:424x175.8x106mm
 ABS,6trays 12~24FO
 max144 fibers,2 in 2 out
 Outdoor aerial hanged



Size:408*172*77.7mm
 ABS,4 trays 12~24FO
 max 96 fibers,2 in 2 out
 Outdoor aerial hanged



Size:466.5x179.8x120.6mm
 ABS,6 trays 12~24FO
 max 144 fibers,2 in 2 out
 Outdoor aerial hanged



Size:466.5x179.8x120.6mm
 ABS,6 trays 12~24FO
 max 144 fibers,3 in 3 out
 Outdoor aerial hanged



Size:466.5x179.8x120.6mm
 ABS,6 trays 12~24FO
 max 144 fibers,4 in 4 out
 Outdoor aerial hanged



Size:580x252x134mm
 PP, 4 in 4 out
 288 fiber, 12 trays
 Outdoor aerial hanged



Size:424x173.6x104mm
 PP,6 trays 12~24FO
 144 fibers,2 in 2 out
 Outdoor aerial hanged



Size:300x102.7x42mm
 PP,2 modules 6~12FO
 max 24 fibers,2 in 2 out
 Outdoor aerial hanged

Mufas tipo Domo



Size: $\Phi 179.7 \times 443.5 \text{mm}$
 ABS Material
 120 fibers
 4 ports, Mechanical sealing



Size: $\Phi 139.8 \times 349.1 \text{mm}$
 PP Material
 48 fibers
 1 oval & 4 round port, Heat shrinkable sealing



Size: $\Phi 140 \times 300.5 \text{mm}$
 ABS Material
 48 fibers
 3 round & 1 oval port, Heat shrinkable sealing



Size: $\Phi 146 \times 300.5 \text{mm}$
 PP Material
 48 fibers
 3 round & 1 oval port, Heat shrinkable sealing



Size: $\Phi 146 \times 310.5 \text{mm}$
 PP Material
 48 fibers
 4 round Port, Mechanical sealing



Size: $\Phi 168 \times 434.5 \text{mm}$
 PP Material
 120 fibers
 3 round & 1 oval port, Heat shrinkable sealing



Size: $\Phi 182.5 \times 521.1 \text{mm}$
 PP material, 72 fibers
 36 SC Simplex adapter & PLC
 1:32 splitter
 4 round & 1 big port,
 Mechanical sealing



Size: $\Phi 168 \times 433.5 \text{mm}$
 ABS+PP Material
 120 fibers
 4 round & 1 oval port, Heat shrinkable sealing



Size: $\Phi 228 \times 527.5 \text{mm}$
 PP Material
 288 fibers
 6 round & 1 oval port, Heat shrinkable sealing

Mufas tipo Domo



Size: $\Phi 228 \times 527.5 \text{mm}$
 PP Material
 576 fibers
 6 round & 1 oval port, Heat shrinkable sealing



Size: $\Phi 182.5 \times 509.1 \text{mm}$
 ABS+PC Material
 576 fibers
 4 round & 1 oval port, Heat shrinkable sealing



Size: $\Phi 204.2 \times 549 \text{mm}$
 PP Material
 144 fibers
 4 round & 1 oval port, Heat shrinkable sealing



Size: $\Phi 231 \times 506.1 \text{mm}$
 PP Material
 144 fibers
 6 ports, Mechanical sealing



Size: $\Phi 230.5 \times 504 \text{mm}$
 PP Material, 144 fibers
 6 round & 1 oval port
 Heat shrinkable sealing



Size: $200.6 \times 287.4 \times 393.1 \text{mm}$
 PP Material
 288 fibers
 8 ports, Mechanical sealing



Size: $\Phi 304.2 \times 502 \text{mm}$
 PP, 24pcs trays, Max. 288 fibers
 1 oval port + 16 round ports
 Heat shrinkable sealing



Size: $\Phi 201.7 \times 494 \text{mm}$
 PP Material, 144 fibers
 8 round & 1 oval port
 Heat shrinkable sealing



Size: $147.3^*104^*207.6 \text{mm}$
 PP Material, 48 fibers
 3 round ports + 1 oval port
 Heat shrinkable sealing

ODF de Fibra Óptica Riel Din



Material: Aluminum
 Adapter port : 12 SC simplex
 Splicing capacity: Max. 24 fibers
 Cable port: 4 ports



Material: ABS
 Adapter port : 12 SC simplex



Material: ABS
 Adapter port: 2 SC simplex
 Cable port: 2 ports



Material: cold roll steel
 Adapter port:
 Cable port:

ODF con conector MPO



Material: ABS
 Adapter port: 2MPO & 12 LC duplex without flange
 Capacity: 24 fibers



Material: cold roll steel
 MPO box: 16 HD-07
 Capacity: 384 fibers



Material: ABS+PC
 Adapter port: 1MPO & 3 LC quad without flange
 Capacity: 12 fibers



Material: cold roll steel
 MPO box: 36 HD-08
 Capacity: 432 fibers

ODF de Fibra Óptica



Size:435x317.3x45.5mm
cold roll steel
24 SC simplex
24 fibers



Size:480x 320x89mm
cold roll steel
48 SC Simplex
48 fibers



Size:482x317x45.5mm
cold roll steel
24 SC simplex
24 fibers



Size:441x293x43.6mm
cold roll steel
24 SC simplex
24 fibers



Size:482.4x205x44mm
cold roll steel
12 SC duplex
24 fibers



Size:482X230X445mm
Cold roll steel
24 SC simpl
12 fibers/24 fibers/48 fibers



Size:435x317.3x178mm
cold roll steel
72 SC simplex
144 fibers

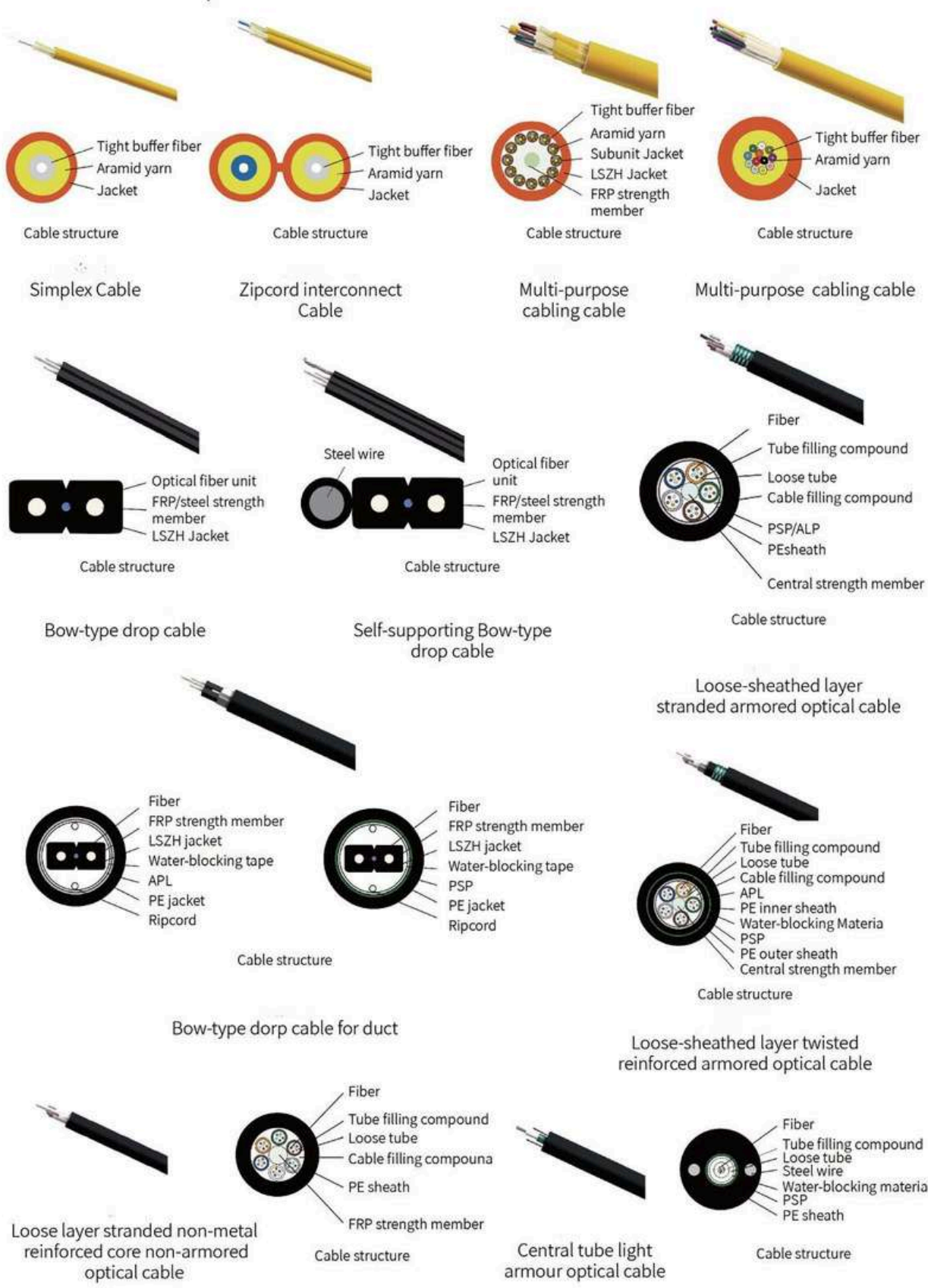


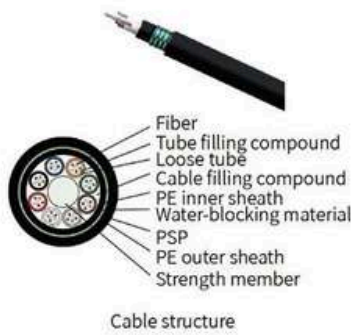
Size:440x244x88mm
cold roll steel
48 SC duplex
96 fibers



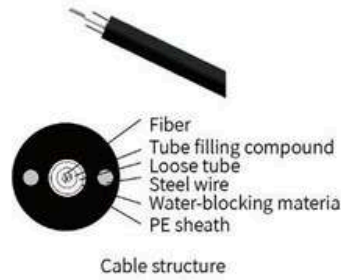
Size:482x245x44mm
cold roll steel
24 SC simplex
24 fibers

Fibra Óptica

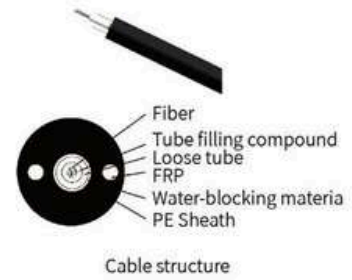




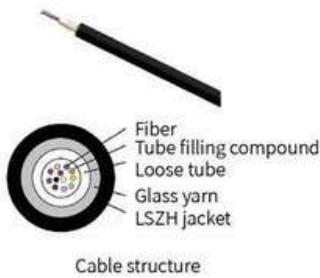
Loose layer twisted non-metal reinforced core ordinary armored optical cable



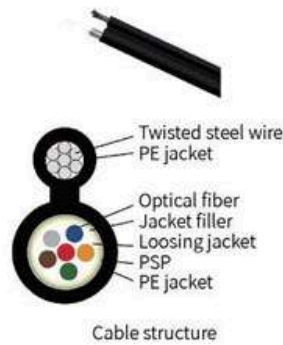
Central tube non-armored optical cable



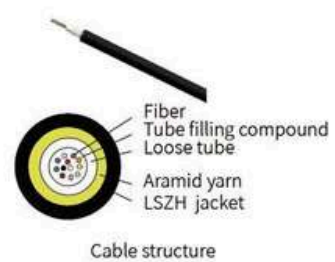
Central tube type non-metal armored optical cable



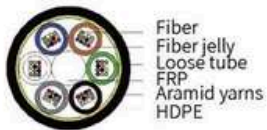
Access fiber optic cable



8-shaped central bundle tube fiber optic cable



Access fiber optic cable



GCYF(X)Y
Air-blown micro-cable



Access fiber optic cable



Single Sheath (50~200M)



JET ADSS(30~100)



Double Sheath (50~800M)

Temperature Range:
 Operating: -40°C to +70°C
 Storage: -50°C to +70°C
 Installation: -30°C to +70°C
 Bending Radius:
 Static 10D
 Dynamic 20D

Reflectómetro óptico de dominio temporal (OTDR)



NK5600

Product parameters
Mini horizontal version 4.3 inch touch (12 in 1)
Dual wavelength 1310/1550nm 26/24dB
Test range 500m~100km



NK6800

Product parameters
7-inch LCD+touch screen
Wavelength 850/1300/1310/1490/1550/1625/1650 Dynamic 32dB~45dB
Test range 500m~256km



NK3200

Product parameters
3.5 inch Color LCD
Dual wavelength 1310/1550nm 22/24dB
Test range 500m~60km



NK2230

Product parameters
3.5-inch color screen
Dual wavelength 1310/1550nm 32/30dB
Test range 500m~128km

Bobina de Lanzamiento

Product parameters
Test length 100m、300m、500、1km、2km
Product size: 24*15*6.5cm
Connector types: FC, LC, SC, ST/PC or APC



Product parameters
Test length 100m, 300m, 500m, 1km
Product size: 27.5*15*7.3cm
Connector types: FC, SC, ST, LC



OTDR-A



OTDR-B

Product parameters
Test length 100m, 300m, 500m, 1km
Product size: 15.5*12.5*5cm
Connector types: FC, SC, ST, LC

Medidor de potencia óptica



AUA-MC70

Product parameters
10 Wavelengths: 850, 980, 1270, 1300, 1310, 1490, 1550, 1577, 1625, 1650
Power Measurement Range: -70~+10dbm
Power Supply: 3.7v 650mah polymer battery, shipped with built in battery
Probe Range: InGaAs
Battery Continuous Working Time: No less than 40 hours
Functions: Power meter+VFL+RJ45 network test+LED lighting

Product parameters
Wavelength: 1310/1490/1550
Interface type: SC/UPC(other types can be customized)
Test range: -40dBm/-50dBm/-50dBm
Display resolution: 0.01dB
Data storage: 900groups
Power supply: 3 AA Batteries



KPN-35(PON power meter)

Product parameters
Wavelength: 800-1700nm
Power measurement range: -70dB±6dB/-50±6dB
Size: 186x100x50mm
Weight: 140g/150g
Interface type: SC/FC/ST
Power supply: 3 AA Batteries/1500mAh rechargeable lithium battery(options)



NK300
(OPM+VFL)



OPM NK30

Product parameters
Wavelength range: 800-1700nm
Power measurement range: -70~±3dB or -50~±20dB
Connector: FC/SC/ST(ST apolegamy)
Size(mm): 190*100*48or165*75*28
Weight (g): 300/400
Power Supply: No. 5 battery*3 or rechargeable lithium battery

Otros equipos de prueba



IRLT3327

Product parameters
Insertion/Return Loss Tester
kinds of fiber terminations adopt as FC/SC/ST/LC/1.25mm/2.5mm
Test wavelength 850/1310/1550 nm
Test range 0~75dB

Product parameters
2.5mm universal + SC adapter
Typical output power: ≥-5dBm
Wavelength: 1310/1550nm
Drop protection: 2m
Low battery reinder function
LED lighting, clear in the dark environment
Dimensions: 130x65x35mm / Weight: 180g



Optical Light
Source KLS-25



Multipurpose communication Network Finder

Product parameters
DC 9V laminated battery (battery not included)
Working current: transmitter $\leq 10\text{mA}$ receiver $\leq 30\text{mA}$
Transmission format: multi-frequency pulse
Output level: 8Vp-p
Transmission distance: $\geq 3\text{km}$
Function: Find wire on all types of connected operating Ethernet switch /Router/PC terminal Rapidly find the target wire from among plenty of telephone wires Rapidly find the target wire from among plenty of network wires It can take place of cable tester Compare the volume of the "tout" sound and the brightness of the signal indicator, Then you can find the target wire which has the highest volume and brightest indicator.

Product parameters
Connector Type: Cat5e & Cat6 RJ45
Material: Fair Resistance ABS Plastic
Application: Networking testing
Package: 1pcs/poly bag
Size: 104mm*103mm
Main tester: 1-2-3-4-5-6-7-8-G
Remote tester: 1-2-3-4-5-6-7-8-G ----RJ45
1-2-3-4-5-6 -----RJ12
2-3-4-5-----RJ11



Ethernet Cable Tester



Network Phone Cable Tester

Product parameters
Specifications: UTP and STP LAN cables, terminated in RJ-45 male connectors (EIA/TIA 568)
RJ-11 cables with male connectors, 2 to 6 conductors installed
USB cables with Type A flat plug on one end and type B square Plug on other end
BNC cables with male connectors
Faults Indicated: No Connections, Shorts, Opens and Crossover
Low Battery Indicator: LED lights to indicate low battery
Power: 1 x 9 V 6F22 DC Alkaline Battery (Battery Not Included)
Size: Approx. 162 x 85 x 25mm (6.38 x 3.35 x 0.98 inch)

Product parameters
Universal back clip design,suitable for 0.25/0.9/2.0/3.0 fiber
Testing sensitivity -40dBm to 10 dBm
Strong and stable light source, strong penetrating power
Be equipped with LED light,more convenient to work in the dark
Built-in VFL,2.5mm universal connectors,strong stability,testing distance is up to 5KM



Fiber Optic Identifier
KFI-40



Fiber Microscope

Product parameters
Optical Magnification: 100x, 160x, 200x, 320x, 400x
Power Source: 3 x1.5v button batteries
Light Source: White LED, rated for 100,000 hours
Weight: 0.6 Kg Size: 225mmX 32mm
Controls: Momentary on/off switch for light source

Herramientas

Product parameters
Optical Power Meter
FC-6S Fiber Cleaver and Fiber Length Fixe
CFS-2 Optical Fiber Stripper
T330 Optical Fiber cable stripper
VFL 5km
Alcohol bottle, Adapter and Allen key
Tool kits can be customized upon request



FTTH Tool Kit



Fiber Optic Visual
Fault Locater

Product parameters
Utput Optical Power: 5mW /10mW /20mW /30mW/50mW
Wavelength: 650nm
Battery Type : Two batteries of 5th battery
Product Size: 175 *26 *26mm
Weight: About 200g



FCP-SC/250



FCP-LC/125

Product parameters
Simple pushing motion to engage tool
Audible CLICK to the operator when tools is fully engaged
Over 800+ engagements per unit
Dry cleaning strand eliminates the need for solvents to be effective
Crush resistant to over 250N
Impact resistant to survive drops over 1.5M
Cleans SC/ST/FC/E2000 (APC/UPC) and other 2.5mm
Cleans LC/MU(APC/UPC)and other 1.25mm

Product parameters
Ultra-low dust, wipe save a lot of time
Fine paper, will not scratch the surface swab
Effectively prevent static electricity and dust generation
Good wet and dry strength, not damaged
Dimensions: 21cm X 11cm
Quantity per pack: 280 pcs



KIMTECH Fiber Optic Connector Cleaning Wipes



fiber optic connector cleaner
FCP-BOX-500

Product parameters		
Cleaning times: 550+ times	Color: green	Size: 12*8*3.5cm
Cleaning effect: -20 to -50 dB (return loss)		Weight: 150g
The use of temperature: 10 to +50 degrees		
Storage temperature: -40 to +70 degrees		
The package includes: 1* fiber connector cleaner		

Product parameters		
Hole No: 2/3	Length: 165mm	Weight:120g
Material: manganese steel		
Usage temperature: - 20°C to 50°C		
Applied for: It uses to peel 250um coating of 125um fiber optic, 1.98mm open pore at the top uses to peel protective covering of fiber optic pigtail		



Fiber Optical Stripper
CFS-2/3



0808A

Product parameters
Applicable Bare Fiber Diameter: 125μm
Applicable Fiber Core: Singe Core
Fiber Cutting Length: 5~20+mm
Average Cutting Angle: ≤0.5°
Blade Life: ≥48000 Times(1000 Times*16 Position*3 Adjustable Height)
Blade Type: φ22(mm)φ4(mm)H:2(mm)
Weight: 231g
Fiber Fixture: Four In One Fixture
Standard: Collector\Box\Instruction Manual\Allen Key
Optional Accessories: Multifunctional Fixture

Product parameters
Applicable Bare Fiber Diameter: 125μm
Applicable Fiber Core: Singe Core
Fiber Cutting Length: 5~10mm
Average Cutting Angle: ≤0.8°
Blade Life: 32000+Times(1000 Timesx16 Position*2~3 Adjustable Height)
Dimension: 62W*60D*57H(mm) Weight: 205g
Fiber Fixture: 3&1 Fixture
Standard: Box/User Manual/Allen Key
Optional Accessories: Collector/Multifunctional Fixture



0712



C12

Product parameters
Applicable Bare Fiber Diameter: 125μm
Applicable Fiber Core: Singe Core
Fiber Cutting Length: 5~10+mm
Average Cutting Angle: ≤0.8°
Blade Life: 32000+times(1000timesx16 Position x2~3 Adjustable height)
Dimension: 56W*59D*55H(mm) Weight: 240g
Fiber Fixture: 3&1 Fixture
Standard: Box/User Manual/Allen Key
Oprional Accessories: Collector/Multifunctional Fixture



FC-6S

Product parameters
High Precision Cleaves
Compact body& light weight
250µm Coated or 900µm Buffer fiber
Provides approximately 36,000 cleaves
12 Position Rotatable and Replicable Blade
Configurable with waste fiber box

Product parameters
Applicable fibers: Silica optical fiber
Bare fiber diameter: 125um
Coating diameter: 250-900um
Cleaving angle: 0.5-0.8 degrees with single fiber
Blade life: 48000 times(100*16*3)



HS-30



TM-6T

Product parameters
Optional with waste fiber box
Cutting angle: $\leq 0.5^\circ$
Number of blade faces: 24
Blade life: 48000 times
Optical fiber cladding diameter: 125um
Applicable optical fiber: 0.25mm; 0.9mm; 3.0mm
Cutting length: 9-24mm

Product parameters
Rod Inner: Extruded by fiber glass and high strength resin at high temperature
Rod Outer: High Density polyethylene coating
Iron Frame: Steel with high temperature sprayed plastic or Spray coating
Brake: Yes
Wheel: rubber
Drawing head: copper
Packaging Details: 1pc in a carton



Duct Rodder



Av. Mariscal La Mar 662, Miraflores, Perú



ventas@ticasolutionsla.com



www.ticasolutionsla.com

Síguenos en:



[@ticasolutionsla](https://www.instagram.com/ticasolutionsla)

www.ticasolutionsla.com