



COMPANY BROCHURE

Ningbo Yuda Communication Technology Co., LTD

TEL: +86-0574-62563456 / 62567777

Email: nbyd@cnool.net

Fax: +86-0574-62563666

Website: <http://www.yudaict.com>

Address: No.2 Yuda Road, Fengshan Street, Yuyao City,
Ningbo City, Zhejiang Province (Yuda Eastern Base)



Ningbo Yuda Communication Technology Co., LTD

YUDA COMMUNICATION TECHNOLOGY

DESIGN, DEVELOPMENT, PRODUCTION,
SALES AND SERVICE



FINE WORKMANSHIP · QUALITY CLASSIC



Advanced equipment · Skilled

Connecter

01
ABOUT US 02

02
DEVELOPMENT HISTORY 04

03
HONOR AND QUALIFICATION 06

04
PRODUCT DISPLAY 08

Optical Transceiver 08

Cpe Otn 15

Fiber Optic Distribution Frame 16

Optical Cable Cross Connection Cabinet 17

Telecommunications System Outdoor Cabinet 18

Array Cabinet 19

Fiber Optic Splice Closure 20

Fiber Optic Distribution Box 22

Optical Cable Terminal Box 26

Fiber 26

Optical Fiber Cable 27

Communication Accessories 32



At present, the company's main communication industry is divided into three parts:

Section 1: Optical communication section

- (1) Ordinary optical cable, ribbon optical cable, special optical cable, large-core high-density G657A, G654E optical cable;
- (2) Optical module, passive wavelength division equipment;
- (3) CPE OTN access network 5G transmission master equipment; DCI 5G large-scale access, metropolitan area network data transmission master equipment;
- (4) Wifi6 10G PON smart home gateway, FTTR 5G all-optical network equipment;
- (5) Optical distribution frame(ODF), optical cable junction case(OCC) and other transmission equipment.

Section 2: Information energy

Integrated power supply, integrated energy cabinet, AC/DC array cabinet, power distribution cabinet, distributed block storage products, energy storage and other information and energy equipment;

Section 3: Data business section and 5G industrial Internet application

- (1) 5G Internet of Things intelligent system and industrial Internet applications, such as AI face recognition all-in-one machine, intelligent factory construction and operation;
- (2) Big data fields, such as IDC cabinets, various data cables and cloud platforms, "East data and West Computing" applications;

Ningbo Yuda has established long-term and stable cooperative relations with China Mobile, China Telecom, China Unicom, China Radio and Television, China Tower, five major telecom operators and railway, petrochemical, power grid, forest area, government, overseas telecom operators and integrators, has also been praised by customers abroad. The company adheres to the pragmatic concept of combining leading technology with the value of customers and partners, constantly provides customers with first-class solutions, high-quality products and services. Yuda Communication promises that we will provide you with the best quality products and the most perfect after-sales service.

The core plant of Ningbo Yuda Communication Technology Co., Ltd. is located in Yuyao, Zhejiang Province, the hometown of Wang Yangming with profound historical, cultural heritage and a strong modern industry. The company was founded in 1992. Since its founding, the core management team of the company has been working hard in the field of communication network physical connection equipment for nearly 30 years. Over the past 30 years, Yuda Communications has always focused on providing customers with high-quality communication network physical connection equipment, and has always adhered

to the development concept of "emphasizing quality and establishing credibility", and has always taken "providing customers with high-quality products and efficient services" as its business purpose. At present, the company has three major plants, of which the eastern base plant with a building area of 130000 square meters. With the development tide of China's communication industry, Yuda Communication has been transforming, upgrading, exploring and innovating, and gradually developed into a first-class domestic communication network physical connection equipment supplier.



02

DEVELOPMENT HISTORY



1992

The first stage (foundation stage): The company started its business in 1992 and formally established Yuyao Yuda Communication Equipment Factory on June 28, 1994. At the beginning of its establishment, its main products include cables and wiring equipment, modules, connectors, communication pipes, molds, etc.

2000

The second stage (growth exploration stage): in 2000, "Ningbo Yuda Communication Technology Co., Ltd." was newly established and added to Fengyi Road, Yuyao Development Zone; New factory buildings and advanced equipment inject new vitality into the enterprise; It has rapidly developed into the main supplier of China Mobile, China Telecom and China Unicom.

2014

The third stage (upgrade and expansion stage): from December 2014, the company invested 1.8 billion yuan in the east of Yuyao, China, added 132000 square meters of land, and built 98917 square meters of workshops and auxiliary buildings, expanding the original production capacity and the research and development of optical fiber preforms, 5G and the Internet of Things and robots.

2017

The fourth stage (take-off stage): In 2017, the company hired a domestic 5G authoritative expert team and established the "Ningbo Yuda Communication Testing Center" under the "Ningbo Yuda Communication Research Institute" (applying for CN laboratory); At present, the company is cooperating with domestic universities to develop new projects: research and development of optical fiber preforms, 5G and the Internet of Things, optical modules and FTTR all-optical network equipment."

03

HONOR AND QUALIFICATION



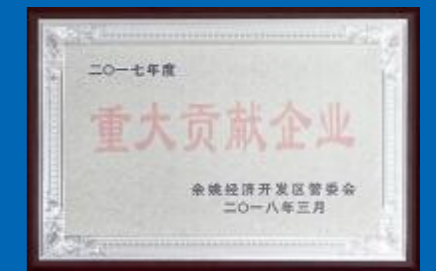
Class A supplier of China Mobile Group



Excellent supplier of China Mobile Jiangxi Company



Top 10 enterprises in Yuyao Economic Development Zone, Zhejiang Province



It was rated as a major contribution enterprise in Yuyao City, Zhejiang Province



Awarded as the winner of performance contribution in Yuyao City, Zhejiang Province



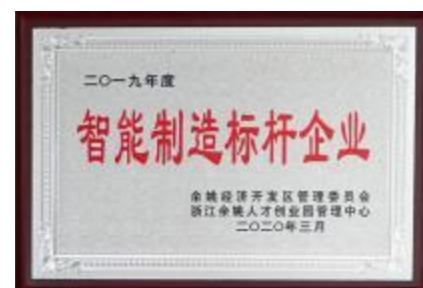
It was rated as an advanced enterprise in scientific and technological innovation in Yuyao City, Zhejiang Province



It was rated as the AAA credit rating of small and medium-sized enterprises in Ningbo, Zhejiang Province



It was rated as a high-growth enterprise in Ningbo, Zhejiang Province



Awarded as the benchmark enterprise of intelligent manufacturing in Yuyao City, Zhejiang Province



It was rated as a demonstration enterprise of innovation and growth in Yuyao City, Zhejiang Province



Beijing University of Posts and Telecommunications



Beijing University of Posts and Telecommunications

04

PRODUCT DISPLAY



OPTICAL TRANSCEIVER

NBYD-400G-SC4L10 400G QSFP-DD LR4 Optical Transceiver

PRODUCT FEATURES

- Compliant with QSFP-DD MSA
- Compliant with 100G Lambda MSA 400G-LR4 Specification compliant
- Compliant with CMIS5.0
- Compliant with IEEE Std 802.3bs
- 8x53. 125Gb/s electrical interface (400GAUI-8)
- Cooled EML laser with CWDM wavelength
- Up to 10km transmission on single mode fiber (SMF) with FEC
- Single +3.3V power supply
- Case temperature range: 0 ~ +70°C
- Maximum power consumption 12W
- Duplex LC connector
- RoHS complaint

APPLICATIONS

- 400G BASE-LR4 Ethernet
- Data Center Interconnect
- Enterprise Networking



Part No.	Data Rate	Wavelength	Reach	Output Power	Sensitivity	Connector	Voltage
NBYD-400G-SC4L2	400G	CWDM4	2km	3.5~3.3dBm	Notes2	LC	3.3V
NBYD-400G-SC4L10	400G	CWDM4	10km	5.1~2.7dBm	Notes3	LC	3.3V

Notes2: 400G 2Km Sensitivity : Max(-4.6, SECQ-6.0);

Notes3: 400G 10Km Sensitivity : < -6.8dBm for TECQ<1.4dB; (-8.2+TECQ) for 1.4dB<=TECQ<=3.9dB;

NBYD-100G-S31L10 QSFP28 100Gb/s LR1 10km DDM Transceiver

PRODUCT FEATURES

- Compliant with QSFP28 Standard: SFF-8636 Rev 2.10a
- Compliant with IEEE802.3cu D3.2 100GBASE-LR1
- High speed I/O electrical interface (CAUI-4)
- Single 3.3V Supply Voltage
- Maximum power consumption 4.5W
- 0-70 °C Case Operating Temperature
- 1311nm EML laser and PIN Receiver
- Hermetically sealed TO Based design
- QSFP28 MSA package with duplex LC connector
- Two Wire Serial Interface with Digital Diagnostic Monitoring
- KP4 FEC termination inside module
- Supporting 10km reach of single mode fiber
- Complies with EU Directive 2011/65/EU (RoHS compliant)
- Class 1 Laser



APPLICATIONS

- 100GBASE-LR

Part No.	Data Rate	Wavelength	Reach	Output Power	Sensitivity	Connector	Voltage
NBYD-100G-M85P01	100G	850nm	100m	3~-8dBm	< -10dBm	MPO	3.3V
NBYD-100G-S31L10	100G	1311nm EML	10km	4.8~-1.9dBm	< -6.1dBm	LC	3.3V
NBYD-100G-SL4L10	100G	LAN WDM EML	10km	5~-4dBm	< -10.6dBm	LC	3.3V

NBYD-25G-B23/32L10I SFP28 BiDi 25Gb/s 10km DDM Transceiver

PRODUCT FEATURES

- Single LC receptacle, Bi-directional
- Maximum link length of 10km
- 24.33Gb/s to 25.78Gb/s data links
- +3.3 V power supply
- Low DC power consumption
- 2x10 SFP+ MSA compliant package
- Hot Pluggable
- DFB laser and PIN receiver
- BER < 5x10-5
- Case Operating temperature ranges: -40°C to 85°C
- Data and Control Interfaces:
2-wire I2C data bus
- RoHS 6 compliance

APPLICATIONS

- 25G BASE-LR Ethernet
- CPRI Option 10



NBYD-25G-CxxL10(I)
25Gbps SFP28 CWDM Transceiver, Single Mode,10km Reach

PRODUCT FEATURES

- Supports up to 25.78Gbps bit rates
- Hot-pluggable SFP+ footprint
- CWDM DFB laser and PIN photodiode, up to 10km for SMF transmission
- Compliant with SFP+ MSA and SFF-8472 with duplex LC receptacle
- Compatible with RoHS
- Single +3.3V power supply
- Real Time Digital Diagnostic Monitoring
- Operating case temperature:
 Standard: 0 to +70°C
 Industrial: -40 to +85°C

APPLICATIONS

- 25GBASE-LR



Part No.	Data Rate	Wavelength	Reach	Output Power	Sensitivity	Connector	Voltage
NBYD-25G-M85P01	25G	850nm	100m	3~-8dBm	< -10dBm	MPO	3.3V
NBYD-25G-S31L10	25G	1310nm	10km	5~-5dBm	< -10.6dBm	LC	3.3V
NBYD-25G-CXXL10	25G	1271nm~1371nm(CWDM)	10km	0~6dBm	< -14dBm	LC	3.3V

Notes: 25G Sensitivity @BER<5x10-5, PRBS2³¹-1

NBYD-10G-B23/32L10(I)
10Gb/s SFP+ BIDI Single-mode 10km DDM Transceiver

PRODUCT FEATURES

- Support data rate up to 11.3Gb/s
- Hot-Pluggable SFP Footprint and Single LC Connector
- Up to 10km reach for G.652 SMF
- 1270nm DFB Transmitter and PIN receiver for NBYD-10G-B23L10(I)
- 1330nm DFB Transmitter and PIN receiver for NBYD-10G-B32L10(I)
- Temperature Range:
 Commercial:0°C ~+70°C
 Industrial:-40°C ~+85°C
- Compliant with SFP-8431
- Compliant with SFP-8432
- Compliant with SFP-8472
- Compliant with IEEE802.3ae

APPLICATIONS

- 10G Ethernet
- 10GBASE-LR/LW
- OTU2/2e
- Other Optical Links



Part No.	Data Rate	Wavelength	Reach	Output Power	Sensitivity	Connector	Voltage
NBYD-10G-B23L10	10G	Tx1270nm/Rx1330nm	10km	1~-7dBm	< -14dBm	LC	3.3V
NBYD-10G-B32L10	10G	Tx1330nm/Rx1270nm	10km	1~-7dBm	< -14dBm	LC	3.3V
NBYD-10G-B23L20	10G	Tx1270nm/Rx1330nm	20km	1~-6dBm	< -14dBm	LC	3.3V
NBYD-10G-B32L20	10G	Tx1330nm/Rx1270nm	20km	1~-6dBm	< -14dBm	LC	3.3V
NBYD-10G-B23L40	10G	Tx1270nm/Rx1330nm	40km	5~-1dBm	< -15dBm	LC	3.3V
NBYD-10G-B32L40	10G	Tx1330nm/Rx1270nm	40km	5~-1dBm	< -15dBm	LC	3.3V
NBYD-10G-B23L60	10G	Tx1270nm/Rx1330nm	60km	5~-1dBm	< -22dBm	LC	3.3V
NBYD-10G-B32L60	10G	Tx1330nm/Rx1270nm	60km	5~-1dBm	< -22dBm	LC	3.3V

NBYD-10G-S31L10
SFP 10Gb/s 1310nm Single-mode 10km DDM

PRODUCT FEATURES

- Compliant to SFP+ MSA
- Fully RoHS Compliant
- All metal housing for superior EMI performance
- Operating data rate from 8.5Gbps to 10Gbps
- Uncooled 1310nm DFB Laser
- High sensitivity PIN photodiode and TIA
- Up to 10km
- LC duplex connector
- Hot pluggable 20pin connector
- Low power consumption < 1.0W
- 0°C to 70°C operating wide temperature range
- Single +3.3V±5% power supply
- Digital Diagnostic Monitoring SFF-8472 Rev 10.2 compliant

APPLICATIONS

- 10GBASE-LR/LW 10G Ethernet
- 10GFC
- 8GFC



Part No.	Data Rate	Wavelength	Reach	Output Power	Sensitivity	Connector	Voltage
NBYD-10G-M85L03	10G	850nm	300m	1~-6dBm	< -11dBm	LC	3.3V
NBYD-10G-S31L2	10G	1310nm	2km	1~-7dBm	< -12dBm	LC	3.3V
NBYD-10G-S31L10	10G	1310nm	10km	1~-7dBm	< -14dBm	LC	3.3V
NBYD-10G-S31L20	10G	1310nm	20km	1~-6dBm	< -14dBm	LC	3.3V
NBYD-10G-S55L40	10G	1550nm	40km	5~-2dBm	< -15.0dBm	LC	3.3V
NBYD-10G-S55L80	10G	1550nm	80km	5~-1dBm	< -22.0dBm	LC	3.3V

NBYD-1G-S31L20(I)
1.25G 1310nm Duplex SFP Transceiver Module

PRODUCT FEATURES

- Operating data rate up to 1.25/1.063Gbps
- 1310nm FP LD Transmitter, 1310nm PIN-TIA
- Distance up to 20KM
- Single 3.3V Power supply and TTL Logic Interface
- Duplex LC Connector Interface
- Hot Pluggable
- Operating Case Temperature
- Standard: 0°C~+70°C;Industrial:-40°C~+85°C
- Compliant with MSA SFP Specification
- Digital diagnostic monitor interface compatible with SFF-8472 and DDM optional

APPLICATIONS

- Gigabit Ethernet Switches and Routers
- Fiber Channel Switch Infrastructure
- XDSL Applications
- Metro Edge Switching



Part No.	Data Rate	Wavelength	Reach	Output Power	Sensitivity	Connector	Voltage
NBYD-1G-M85L05	1.25G	850nm	550m	-3~-9dBm	< -18.0dBm	LC	3.3V
NBYD-1G-M31L2	1.25G	1310nm	2km	-8~-14dBm	< -20.0dBm	LC	3.3V
NBYD-1G-S31L10	1.25G	1310nm	10km	-3~-9dBm	< -21.0dBm	LC	3.3V
NBYD-1G-S31L20	1.25G	1310nm	20km	-3~-9dBm	< -22.0dBm	LC	3.3V
NBYD-1G-S31L40	1.25G	1310nm	40km	0~-5dBm	< -24.0dBm	LC	3.3V
NBYD-1G-S55L40	1.25G	1550nm	40km	0~-7dBm	< -24.0dBm	LC	3.3V
NBYD-1G-S55L60	1.25G	1550nm	60km	3~-3dBm	< -25.0dBm	LC	3.3V
NBYD-1G-S55L80	1.25G	1550nm	80km	5~-2dBm	< -26.0dBm	LC	3.3V
NBYD-1G-S55L100	1.25G	1550nm	100km	4~-1dBm	< -28.0dBm	LC	3.3V
NBYD-1G-S55L120	1.25G	1550nm	120km	5~0dBm	< -30.0dBm	LC	3.3V

NBYD-1G-B35/53L20(I)
1.25G SFP BIDI Transceiver Module

PRODUCT FEATURES

- Operating data rate up to 1.25/1.063Gbps
- Tx1310/Rx1550, 1310nm FP Laser, 1550nm PIN-TIA or Tx1550/Rx1310, 1550nm FP Laser, 1310nm PIN-TIA
- Distance up to 20KM
- Single 3.3V Power supply and TTL Logic Interface
- Simplex SC/ LC Connector Interface
- Hot Pluggable, Metal enclosure, for Lower EMI
- DDM function optional
- Operating Case Temperature: Standard: 0°C~+70°C ; Industrial:-40°C~+85°C
- Compliant with MSA SFP Specification
- Digital Diagnostic Monitor Function Compatible with SFF-8472
- RoHS6 Compliant

APPLICATIONS

- Gigabit Ethernet
- WDM Gigabit Ethernet Links
- XDSL Applications
- Metro Edge Switching



Part No.	Data Rate	Wavelength	Reach	Output Power	Sensitivity	Connector	Voltage
NBYD-1G-B35L3	1.25G	Tx1310nm/Rx1550nm	3km	-3~-9dBm	< -21.0dBm	LC/SC	3.3V
NBYD-1G-B53L3	1.25G	Tx1550nm/Rx1310nm	3km	-3~-9dBm	< -21.0dBm	LC/SC	3.3V
NBYD-1G-B35L20	1.25G	Tx1310nm/Rx1550nm	20km	-3~-9dBm	< -22.0dBm	LC/SC	3.3V
NBYD-1G-B53L20	1.25G	Tx1550nm/Rx1310nm	20km	-3~-9dBm	< -22.0dBm	LC/SC	3.3V
NBYD-1G-B35L40	1.25G	Tx1310nm/Rx1550nm	40km	0~-5dBm	< -24.0dBm	LC/SC	3.3V
NBYD-1G-B53L40	1.25G	Tx1550nm/Rx1310nm	40km	0~-5dBm	< -24.0dBm	LC/SC	3.3V
NBYD-1G-B45L60	1.25G	Tx1490nm/Rx1550nm	60km	2~-3dBm	< -25.0dBm	LC/SC	3.3V
NBYD-1G-B54L60	1.25G	Tx1550nm/Rx1490nm	60km	2~-3dBm	< -25.0dBm	LC/SC	3.3V
NBYD-1G-B45L80	1.25G	Tx1490nm/Rx1550nm	80km	5~-2dBm	< -26.0dBm	LC/SC	3.3V
NBYD-1G-B54L80	1.25G	Tx1550nm/Rx1490nm	80km	5~-2dBm	< -26.0dBm	LC/SC	3.3V
NBYD-1G-B45L100	1.25G	Tx1490nm/Rx1550nm	100km	4~-1dBm	< -28.0dBm	LC/SC	3.3V
NBYD-1G-B54L100	1.25G	Tx1550nm/Rx1490nm	100km	4~-1dBm	< -28.0dBm	LC/SC	3.3V
NBYD-1G-B45L120	1.25G	Tx1490nm/Rx1550nm	120km	5~0dBm	< -30.0dBm	LC/SC	3.3V
NBYD-1G-B54L120	1.25G	Tx1550nm/Rx1490nm	120km	5~0dBm	< -30.0dBm	LC/SC	3.3V

NBYD-XEPON-ONU
10G 20KM EPON ONU Optical Transceiver

PRODUCT FEATURES

- Single Fiber 10G EPON ONU Transceiver
- 1270nm burst-mode 10.3125 Gb/s transmitter with DFB laser
- 1577nm continuous-mode 10.3125Gb/s/APD/TIA receiver
- Digital diagnostic monitoring (DDM)with internal calibration
- SFP+ package with SC/APC or SC/UPC receptacle connector
- +3.3V separated power supply, low power dissipation
- LVPECL interface logic level for data input
- CML interface logic level for data output
- LVTTL for burst signal input
- LVTTL for receiver loss of signal detect indication
- Compliant with ITU-T G.9807
- SFF-8472 compliant

- Telcordia GR-468-CORE and MIL-STD-883compliant
- RoHS-6/6 compliant
- Operating temperature range: -40C~ +85C
- IEC 60825- 1 compliant
- FCC Part 15 ClassB /EN55022 Class B (CISPR 22B)/
- VCCI Class B compliant



APPLICATIONS

10G/ 10G EPON ONU

Part No.	Application	Wavelength	Data Rate	Reach	Output Power	Sensitivity	Connector	Voltage
NBYD-XEPON-ONU	XEPON ONU	Tx1270nm/Rx1577nm	10.3G/10.3G	20km	4~9dBm	<-28.5(10 ⁻³)dBm	SC	3.3V

NBYD-XGSPONCB-C1
XGSPON&GPON Combo PON OLT Transceiver

PRODUCT FEATURES

- Single fiber quad-directional data link
- XGSPON/XGPON: 9.953Gbps downstream and 9.953Gbps/2.488Gbps upstream
- GPON: 2.488Gbps downstream and 1.244Gbps upstream
- ITU-T G.9807.1 Class N1/N2/B+/C+ compliant
- ITU-T G.987.2 Class N1/N2 compliant
- ITU-T G.984.2 Class B+/C+ compliant
- Refer to YD-T 1688.8
- XGSPON/XGPON: 1577nm continuous-mode EML laser transmitter and 1270nm burst-mode APD-TIA receiver
- GPON: 1490nm continuous-mode DFB laser transmitter and 1310nm burst-mode APD-TIA receiver
- +3.3V power supply
- 2X10 SFP+ Electrical Interface
- SFP+ package with SC/UPC Receptacle connector
- 2-wire interface for integrated Digital Diagnostic Monitoring
- Digital Receiving Signal Strength Indication (RSSI)
- Low EMI and excellent ESD protection

- Class1 laser safety standard IEC-60825 compliant
- RoHS6 compliance
- Case Operating Temperature:
Commercial: 0°C to 70°C
Industrial: -40°C to 85°C

APPLICATIONS

- 10 Gigabits Access networks
- FTTX



Part No.	Application	Wavelength	Data Rate	ODN CLASS	Output Power	Sensitivity	Connector	Voltage
NBYD-XGSPONCB-B1	XGSPON OLT	Tx1577nm/Rx1270nm	9.95G/9.95G	B+	1~4dBm	<-25(10 ⁻³)dBm	SC	3.3V
	XGPON OLT	Tx1577nm/Rx1270nm	9.95G/2.5G	B+	1~4dBm	<-26.5(10 ⁻³)dBm	SC	3.3V
	GPON OLT	Tx1490nm/Rx1310nm	2.5G/1.25G	B+	1.5~5dBm	<-28(10 ⁻¹⁰)dBm	SC	3.3V
NBYD-XGSPONCB-C1	XGSPON OLT	Tx1577nm/Rx1270nm	9.95G/9.95G	C+	5~8dBm	<-29(10 ⁻³)dBm	SC	3.3V
	XGPON OLT	Tx1577nm/Rx1270nm	9.95G/2.5G	C+	5~8dBm	<-30.5(10 ⁻³)dBm	SC	3.3V
	GPON OLT	Tx1490nm/Rx1310nm	2.5G/1.25G	C+	3~7dBm	<-31(10 ⁻¹⁰)dBm	SC	3.3V
NBYD-XGSPONCB-D0	XGSPON OLT	Tx1577nm/Rx1270nm	9.95G/9.95G	D	7~9dBm	<-31(10 ⁻³)dBm	SC	3.3V
	XGPON OLT	Tx1577nm/Rx1270nm	9.95G/2.5G	D	7~9dBm	<-32.5(10 ⁻³)dBm	SC	3.3V
	XGPON OLT	Tx1490nm/Rx1310nm	2.5G/1.25G	D	6~9dBm	<-34(10 ⁻¹⁰)dBm	SC	3.3V

Note: All the optical transceiver series of any categories above can be custom made according to the different specification.



CPE OTN

1U BOX OTN

DESCRIPTION

It is located in the box-type CPE OTN device, and simple services are mapped to OTU signals without conjoint waves, which is equivalent to an OTU board in a converging OTN device. It is mainly used for large-bandwidth or low-latency access services, with low cost and easy application and deployment. It can replace SDH optical terminal machine and small IPRAN device to access user services.

FEATURES

- 1U height cassette equipment
- Supports 19-inch rack installation
- Supports the AC220 and DC-48 power supply

- Two OTU1 optical ports on the NNI side, supporting 1+1 protection
- Two GE Combo ports on the UNI side
- Supports EOS, VC12/VC4 particle mapping, and VLAN tags for ports
- One Console port, one network management port (FE)
- 1 set of 5-bit plectrals (mirroring can be set)



PACKET ENHANCED 2U PLUG-IN OTN

DESCRIPTION

It is positioned as a small-capacity aggregation device or a plug-in CPE device. It has packet switching and SDH cross electrical processing capabilities, supports centralized electrical cross, and supports optical board cards.

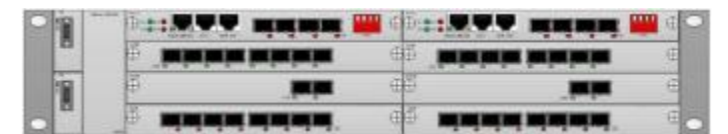
As an access device, it can access GE, XGE, and STM-N services for networking. Alternatively, a 2U OTN device can be connected to multiple 1U cartridges.

The 1U cartridges can access services, converge and map to OTU2 signals, and then connect to the device's combined wave board for transmission.

FEATURES

- Packet enhanced OTN equipment (support OTN/PKT/VC cross switching)

- Optical layer single disk can be universal, suitable for all platforms
- The basic configuration is 2U, and the pool type device can be expanded to 6U
- The 2U device supports 100 Gbit/s centralized crossover and 100 Gbit/s packet switching
- 2U device supports 20G OTN ring (non-WDM applications)
- The 2U device supports 16-wave DWDM point-to-point applications
- The 2U device supports 40 waves of DWDM color light applications
- Supports a maximum of four OADM nodes in each direction
- Support for DWDM/CWDM and hybrid applications
- Supports single-fiber and dual-fiber applications
- Support point-to-point, chain, ring, network and other topology applications



Port rate on the customer side	Any (125M-10G)
Number of ports on the customer side	48
Line side port rate	OTU2
Number of line side ports	12
Network management interface	1
Alarm interface	1
Maximum power consumption	125W
Redundant master control	1+1
Redundant switching	1+1
Redundant power supply	1+1
Power supply	AC 220V and DC-48V
Overall dimension (W×D×H, mm)	443×252×89
Ambient temperature	-5°C ~ 55°C
Operating altitude	-500m~5000m
Ambient relative humidity	5~95%

FIBER OPTIC DISTRIBUTION FRAME

ODF(GPX186-1X)

DESCRIPTION

Optical fiber distribution series products are suitable for central office, optical junction, user optical fiber access network projects in the optical connection, entry point, complete the introduction of optical shrinkage, fixing and stripping protection, welding and protection of optical fiber, storage and tube of tail fiber.

The function of fixed connection and cross connection of optical fiber is to connect, distribute and adjust optical equipment in telecommunication network.

Degree provides secure and reliable routing. Products include large capacity optical distribution products, medium injection capacity optical distribution products, intermediate distribution.

Line products and room long cable handover box series products.



GPX186GPX186-1X



FC 12 core integrated tray

FEATURES

1. Modular design, standardized installation, convenient for users to flexibly collocation and combination, easy to realize interchange and expansion, saving investment and convenient construction and maintenance.
2. Different optical fiber welding wiring modes are provided to meet the application requirements of different users. The operation habits of users are concerned in the design. Convenient construction and maintenance.
3. According to customer requirements can be flexibly equipped with optical shunt and other value-added units.
4. Optical cable, pigtail, jumper to choose their own production, do not interfere with each other, cable management is simple and clear.

Product Name	Part No	Dimensions	Number 12-core integrated module	Maximum Capacity	Notes
		High x Wide x Deep			
Fiber Optic Distribution Frame	GPX186-1A	2000x840x300	54	648	Fuse wiring integration, sheet metal frame
Fiber Optic Distribution Frame	GPX186-1B	2200x840x300	60	720	
Fiber Optic Distribution Frame	GPX186-1C	2600x840x300	72	864	



OPTICAL CABLE CROSS CONNECTION CABINET

GXF178-CTXXX(SMC)

PRODUCT FEATURES

1. Cable transfer box is the interface device used for the nodes of backbone cable in the optical and distributing cable, mainly for connection, wiring and dispatching of outdoor cable.
2. The device is constituted of box body, base, integration module of fuse and matching, direct fuse module, optical fastening and grounding protection module, optical fiber storage unit component. Its perfect structure design makes it convenient and reliable for fastening, grounding, welding of optical fiber and twining, connecting, dispatching, distribution and testing of extra optical fiber.
3. It can be customized according to client requirements.



GXF178-CT576(SMC)



GXF178-CT1152(SMC)



Product Name	Part No	Dimensions	12-Core Fused with Integrated Tray	Operation Method	Installation Pitch	Installation Method
		High x Wide x Deep				
144 Core	GXF178-CT144(SMC)	1035x555x310	12	Sided	454x172	Landing, Wall Hanging
288 Core	GXF178-CT288(SMC)	1450x750x320	24	Sided	615x220	Landing, Wall Hanging
576 Core	GXF178-CT576(SMC)	1450x750x540	48	Sided	615x460	Landing, Overhead
1152 Core	GXF178-CT1152(SMC)	1550x1460x620	96	Sided	1314x466	Landing, Overhead



TELECOMMUNICATIONS SYSTEM OUTDOOR CABINET

FTTC(YD-2012-1004)

DESCRIPTION

Used for outdoor installation of equipment. The main equipment that can be installed are: optical workstations, optical amplifiers, UPS power supplies, broadband equipment, and optical fiber can also be installed distribution, cable TV distributor and other non-pass devices.

FEATURES

1. The whole cabinet adopts double-layer metal structure and three-point connecting rod lock which is resistant to damage to provide reliable security.
2. The intermediate heating material has strong anti-solar radiation and anti-cold heat function.
3. High quality sealing strip provides excellent sealing performance.
4. The cabinet meets the requirements of IP65 protection level.
5. The cabinet meets the requirements of IP65 protection level.
6. An environment-controlled sensor such as access control, water leakage, smoke, temperature and humidity can be installed to control the working environment inside the



YD-2012-1004

cabinet. With perfect and reliable grounding system, and equipped with professional lightning protection device, has good lightning protection performance and leakage protection function.

7. Can be customized according to individual requirements.

Product Name	Part No	Dimensions High x Wide x Deep	standard configuration	Notes
Outdoor integrated cabinet	YD-2012-1004	customization	IPCS	
Fan unit	AC/DC		customization	
MDF Internal cable module	100 loop/module		customization	
MDF external module	128 loop/module		customization	
Lightning protection device	"1+1" 60Ka lightning protection		customization	1. Single side single door/ single side double door.
Security unit	Solid security unit		customization	2. Fan/air conditioner heat dissipation.
Optical cable fusion unit			customization	3. Wall hanging/ pole holding/ ground installation
Power distribution module			customization	
Air switch	Merlin Gerland /ABB		customization	
Distribution frame			customization	
Trimming board			customization	
air conditioner			customization	
accumulator			customization	



ARRAY CABINET

Array Cabinet(YD-2012-1003)

DESCRIPTION

Array cabinet for data communication to provide a very perfect combination of each component, so that the room is more beautiful, the system is easier to push protection.

The product is widely used in telecommunication room, information community room, etc.

FEATURES

1. Mounting size is standard 19" or 21".
2. The position of the front and rear mounting brackets can be adjusted to make the space utilization more reasonable.
3. Strong structure, light weight, electrostatic spray process, beautiful and durable.
4. Equipped with AC or DC silent fan and power strip.
5. It is equipped with safe and reliable grounding protection facilities.
6. 18U~47U height series, 600x600, 600x1200, 800x1000, 800x1200 equal width and depth series.
7. Can be customized according to customer requirements.



YD-2012-1003

Product Name	High	Wide	Deep	configuration	Notes
IDC Array Cabinet	2000	600	600	Ac/DC fans, AC/DC power supplies, modules, trays, and L-shaped spacers are configured based on customer requirements	Please indicate when ordering
	2200	800	800		
	2600		1000		
			1200		



FIBER OPTIC SPLICE CLOSURE

2into 2out(GJS179-2J2C-CX)			
Part No	Joint box size (L*W*H)mm	Inlet&outlet Ports	Fiber core
GJS179-2J2C-C1	516x224x105	Max 4	48
GJS179-2J2C-C2	516x224x115	Max 4	72
GJS179-2J2C-C3	516x224x157	Max 4	144
GJS179-2J2C-C4	535x224x129	Max 4	288



3into 3out(GJS179-3J3C-AX)			
Part No	Joint box size (L*W*H)mm	Inlet&outlet Ports	Fiber core
GJS179-3J3C-A1	535x234x107	Max 4	48
GJS179-3J3C-A2	535x234x120	Max 4	144
GJS179-3J3C-A3	535x234x157	Max 4	288



4into 4out(GJS179-4J4C-AX)			
Part No	Joint box size (L*W*H)mm	Inlet&outlet Ports	Fiber core
GJS179-4J4C-A1	635x285x107	Max 8	48
GJS179-4J4C-A2	635x285x120	Max 8	144
GJS179-4J4C-A3	635x285x140	Max 8	288



4into 16out(GJS179-4J16C-A)			
Part No	Joint box size (L*W*H)mm	Inlet&outlet Ports	Fiber core
GJS179-4J16C-A	380x245x130	Max 20	96



GJS-YDA-Φ190

Mechanical single -ended connector box large	
Joint box box size	582xΦ190
Number of cables coming in and out	Max 6
Fiber core number	6-core-144core



GJS-YDB-Φ190

Mechanical single -ended connector box large	
Joint box box size	560xΦ190
Number of cables coming in and out	Max 8
Fiber core number	6-core-144core



GJS-YDA-Φ220

Mechanical single -ended connector box large	
Joint box box size	590xΦ220
Number of cables coming in and out	Max 6
Fiber core number	6-core-144core

Mechanical single -ended connector box large	
Joint box box size	645xΦ260
Number of cables coming in and out	Max 6
Fiber core number	6-core-288core



GJS-YDB-Φ220

Mechanical single -ended connector box large	
Joint box box size	563xΦ220
Number of cables coming in and out	Max 8
Fiber core number	6-core-144core

Mechanical single -ended connector box large	
Joint box box size	625xΦ260
Number of cables coming in and out	Max 8
Fiber core number	6-core-288core





FIBER OPTIC DISTRIBUTION BOX

GF-KSW-XX(-X)

DESCRIPTION

This fiber optic distribution box are used in the terminal link of FTTH access system,specially suitable for pole and wall mounting application. In the optical fiber transmission network,splitter distribution box is the ideal equipment between optical node and terminal.

FEATURES

- 1.The material is engineering plastic of high quality and it can be used for indoor,outdoor,rugged and reliable structure.
- 2.It is applicable for wall-mounted and pole-mounted.Fiber cables both can entry from the bottom of the box.
- 3.Compliant with fast-connector and FTTH cable. A available to meet the cut connection function for the live cable.
- 4.It can be customized according to client requirements.



GF-KSW-16-2



GF-KSW-8

Product Name	Part No	Dimensions		Configuration	Maximum Capacity	Insallation Method
		High x Wide x Deep	Adapter SC/FC			
Fiber Optic Distribution Box	GF-KSW-16-2	300x220x76	16	16	Wall/Pole/Wall Mounting	
Fiber Optic Distribution Box	GF-KSW-4	184x114x40	4	4	Wall/Pole/Wall Mounting	
Fiber Optic Distribution Box	GF-KSW-8	200x177x48	8	8	Wall/Pole/Wall Mounting	

GF-KSW-XX(PC+ABS&SMC)

DESCRIPTION

It is mainly used to branch the fiber,generally hanging in the district staircase on the wall or standing in the green belt.

FEATURES

- 1.The box adopts high performance flame retardant material.
- 2.Double-layer structure design.The upper layer for splicing,cross-connecting and fiber distribution.The lower layer for splitters and over length fiber storage.
- 3.Plastic alloy mold,beautiful apperance,weight saving and easy to install.
- 4.It can be customized according to client requirements.



GF-KSW-32(PC+ABS)



GF-KSW-32(SMC)

Product Name	Part No	Dimensions		Number of Slots	Light Ratio	Quantity	Installation Method
		High x Wide x Deep					
Fiber Optic Distribution Box	GF-KSW-16(PC+ABS)	340x265x120		2	1 Points 8	2	Wall/Pole
Fiber Optic Distribution Box	GF-KSW-16(PC+ABS)	340x265x120		2	1 Points 16	1	Wall/Pole
Fiber Optic Distribution Box	GF-KSW-32(PC+ABS)	420x320x125		4	1 Points 8	4	Wall/Pole
Fiber Optic Distribution Box	GF-KSW-32(PC+ABS)	420x320x125		4	1 Points 16	2	Wall/Pole
Fiber Optic Distribution Box	GF-KSW-32(SMC)	420x320x120		4	1 Points8	4	Wall/Pole
Fiber Optic Distribution Box	GF-KSW-32(SMC)	420x320x120		4	1 Points16	2	Wall/Pole

GF-KJW-XX(SPCC)

DESCRIPTION

Fiber optic distribution boxes are used as a termination point for the feeder cable to connect with drop cable in FTTH communication networks system. Ideal for outdoor environment, strong&long durability, fast&easy installation.

FEATURES

- 1.Space saving.Double-layer design for easier installation and maintenance.
- 2.Lower layer for splitters and over length fiber storage.
- 3.Upper layer for splicing,cross connecting and fiber distribution.
- 4.Cable fixing units provided for fixing the outdoor optical cable.
- 5.Lock provided for extra security.
- 6.It can be customized according to client requirements.



GF-KJW-32(SPCC)



GF-KJW-16(SPCC)

Product Name	Part No	Dimensions		Configuration Adapter SC/FC	Method of Using	Installation Method
		High x Wide x Deep				
Fiber Optic Distribution Box	GF-KJW-16(SPCC)	320x330x95		16	2X8-Core Optical Branching Device	Wall/Pole
Fiber Optic Distribution Box					1X16-Core Optical Branching Device	
Fiber Optic Distribution Box	GF-KJW-32(SPCC)	450x350x120		32	4X8-Core Optical Branching Device	Wall/Pole
Fiber Optic Distribution Box					2X16-Core Optical Branching Device	

12 Cores FTTH Box (YD-F1201-SC)

Part NO	YD-F1201-SC
Description	12 Cores FTTH Box
Size	235x215x75mm
Waterproof Level	IP65
Waterproof Level	IP65
* Without SC adaptor	



16 Cores Outdoor FTTH Box (YD-F1601-SC)

Part NO	YD-F1601-SC
Description	With 16 PCS SC Simplex Adaptor
Size	285x175x80mm
Waterproof Level	IP65
Material	PC+ABS
Material	PC+ABS



16 Cores Outdoor FTTH Box (YD-F1602)

Part NO	YD-F1602
Description	With 16 PCS SC Simplex Adaptor
Size	285x215x115mm
Material	PC+ABS



2-6 Cores Outdoor FTTH Box (YD-F201)

Part NO	YD-F201
Description	2-6 Cores FTTH Box
Size	205x140x40mm
Waterproof Level	IP65
Material	ABS
Material	PC+ABS





OPTICAL CABLE TERMINAL BOX

OTB(GFP-180)

DESCRIPTION

Optical cable terminal box is used for direct fusion or branch indoor optical cable, with protection and storage functions. For optical fiber, the capacity can be 12-72 core.

FEATURES

1. The product has a number of imports and exports, suitable for many optical cable occasions.
2. The fusible disk is of stacked structure, easy to operate.
3. The adapter and pigtail type can be specified by the user.
4. Wall-mounted and 19-inch standard rack mount.
5. The metal parts of the product are made of high-quality Q234 steel, and the surface is treated by electrostatic spraying.



Plastic 24 core optical cable terminal box



Metal 48 core optical cable terminal box



FIBER

Low Water Peak Dispersive Non-shifted Single-mode Fiber (G652D)

DESCRIPTION

- The low water peak non-zero dispersion shift single-mode fiber (G652D) combines the advantages
- G652B and G652C fibers and has a short cut-off wavelength. It can be used at either 1550nm or 1310nm, with a very wide spectrum bandwidth and superior
- Optical properties, suitable for all kinds of optical cable structures, including optical fiber band optical fiber, loose set lamination optical fiber, skeleton type optical fiber, center beam tube optical fiber and tight set optical fiber

FEATURES

1. To achieve the full band transmission of 1260-1625nm.
2. The coating protection is good, with strong peeling property.
3. Accurate geometric parameters, ensure low welding loss, improve welding efficiency.

EXECUTIVE STANDARD

Comply with ITU-T G.652.D and IEC 60793-2-50 B1.3 type optical.

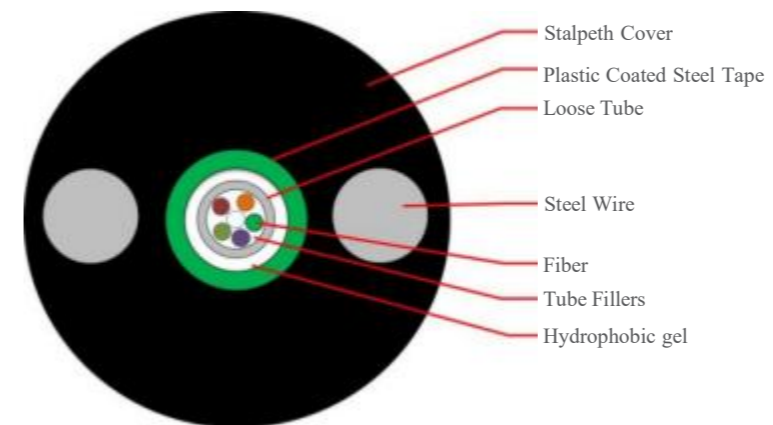


OPTICAL FIBER CABLE

Center Beam Tube Cable (GYXTW)

PRODUCT FEATURES

- Pine casing material itself has good hydrolysis resistance and high strength
- Tube filled with special ointment, has carried on the key protection to optical fiber
- Good compressive resistance and softness
- Both sides plastic coated is applied to take (PSP) improve cable through wave resistance
- Ensure two parallel wires cable tensile strength
- Small diameter, light weight, easy installation



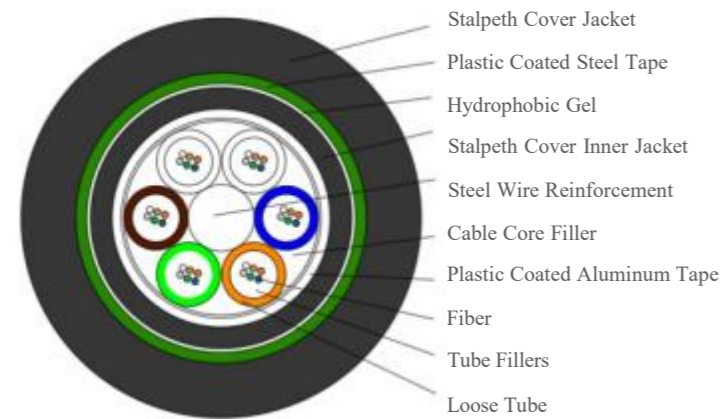
SPECIFICATION

Fiber Number	2~12	14~24
Tube Diameter (mm)	Φ2.5	Φ3.6
Cable Diameter (mm)	Φ8.3	Φ9.6
Cable Weight (kg/km)	80	98
Tensile Strength (N)	Long Time	600
	Short-Term	1500
Crush Resistance (N/100mm)	Long Time	300
	Short-Term	1000
Bending Radius (mm)	Dynamic Condition	≥20D(D:Cable Diameter)
	Static State	≥10D(D:Cable Diameter)
Applicable Temperature (°C)	-40°C~+70°C	
Laying Method	Overhead、pipeline	

Layer-stranding Cable(GYTA53)

PRODUCT FEATURES

- Choose high quality fiber, to ensure that the cable has excellent transmission performance
- Precise control over the fiber length to ensure the cable has good tensile properties and temperature characteristics
- Casing material itself has a good resistance to hydrolysis performance and higher strength, tube filled with special ointment on fiber provides key protection
- Section block water structure, double coated aluminum with vertical bag, ensure good resistance water moisture performance
- Pine casing fill special ointment, key protection on optical fiber
- Center stiffening member USES the corrosion resistance of phosphating steel wire, high young's modulus
- Longitudinally wrap double-sided coated steel tape armoured wrinkles, improve the lateral pressure resistance of the cable



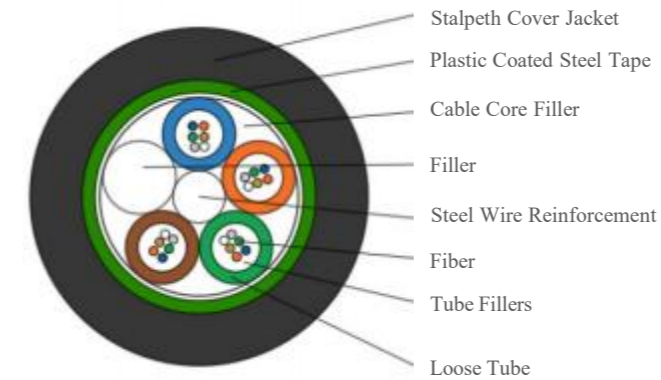
SPECIFICATION

Fiber Number (core)	Number of cable core units	Maximum number of cores per tube (core)	Cable Diameter (mm)	Cable Weight (kg/km)
2~36	6	6	11.8	145
38~72	6	12	12.4	160
74~84	7	12	13	175
86~96	8	12	13.8	190
98~108	9	12	14.4	205
110~120	10	12	15	220
122~132	11	12	15.6	235
134~144	12	12	16.2	250
Tensile Strength (N)	Long Time		Short-Term	
	1000		3000	
Crush Resistance (N/100mm)	Long Time		Short-Term	
	1000		3000	
Bending Radius (mm)	Static State		Dynamic Condition	
	≥12.5D(D:Cable Diameter)		≥25D(D:Cable Diameter)	
Applicable Temperature (°C)	-40°C~+70°C			
Laying Method	direct burial			

Stranded Loose Tube Cable(GYTS)

PRODUCT FEATURES

- Choose high quality fiber, to ensure that the cable has excellent transmission performance
- Precise control over the fiber length to ensure the cable has good tensile properties and temperature characteristics
- Casing material itself has a good resistance to hydrolysis performance and higher strength, tube filled with special ointment on fiber provides key protection
- Section block water structure, double coated aluminum with vertical bag, ensure good resistance water moisture performance
- Pine casing fill special ointment, key protection on optical fiber
- Center stiffening member USES the corrosion resistance of phosphating steel wire, high young's modulus



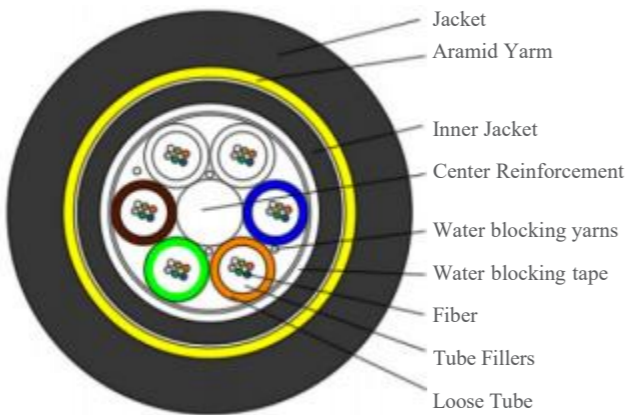
SPECIFICATION

Fiber Number (core)	Number of cable core units	Maximum number of cores per tube (core)	Cable Diameter (mm)	Cable Weight (kg/km)
2~30	5	6	9.1	80
32~36	6	6	9.5	95
38~60	5	12	9.6	90
62~72	6	12	10.1	110
74~84	7	12	10.7	120
86~96	8	12	11.3	130
98~108	9	12	11.9	145
110~120	10	12	12.5	155
122~132	11	12	13.3	170
134~144	12	12	13.9	185
146~216	6+12	12	15.2	240
218~240	7+13	12	16	265
242~264	8+14	12	16.6	280
264~288	9+15	12	17.4	305
Tensile Strength (N)	Long Time		Short-Term	
	600		1500 & 1G(G:kg/km)	
Crush Resistance (N/100mm)	Long Time		Short-Term	
	300		1000	
Bending Radius (mm)	Static State		Dynamic Condition	
	≥10D(D:Cable Diameter)		≥20D(D:Cable Diameter)	
Applicable Temperature (°C)	-40°C~+70°C			
Laying Method	Overhead、pipeline			

Self-supporting Optical Cable(ADSS)

PRODUCT FEATURES

- Choose high quality fiber, to ensure that the cable has excellent transmission performance
- Precise control over the fiber length to ensure the cable has good tensile properties and temperature characteristics
- Whole cross section structure of block water moisture to ensure good resistance performance
- Center stiffening member has higher young's modulus of glass fiber reinforced plastic (FRP)
- The medium bearing, high tensile strength of aramid yarn or glass yarn enhanced to ensure that the cable bearing fiber optic strain, and bad environment is not affected by lightning induction
- Performance of polyethylene/electric mark outer sheath, ensure the safety of the cable under the environment of high induction electric potential



SPECIFICATION

Fiber Number (core)	Number of cable core units	Maximum number of cores per tube (core)	ADSS Tensile Strength
2~24	6	4	According to climatic conditions, span design
28~36	6	6	
38~48	6	8	
50~72	6	12	
74~84	7	12	
86~96	8	12	
98~108	9	12	
110~120	10	12	
122~132	11	12	
134~144	12	12	

Crush Resistance (N/100mm)	Long Time	Short-Term
		1000

Bending Radius (mm)	Static State	Dynamic Condition
		≥12.5D(D:Cable Diameter)

Applicable Temperature (°C)	-40°C~+70°C
Laying Method	Self-supporting overhead

GJYXFCH-1(2)	
Fiber type	G6572A
Fiber count	1core or 2core
Jacket	LSZH Sheath
Strength member	plastic
Application	Outdoor drop access
Color	Black

with a steel wire

GJYXCH-1(2)	
Fiber type	G6572A
Fiber count	1core or 2core
Jacket	LSZH Sheath
Strength member	metal
Application	Outdoor drop access
Color	Black

with a steel wire





















GJXFH-1(2)	
Fiber type	G6572A
Fiber count	1core or 2core
Jacket	LSZH Sheath
Strength member	plastic
Application	indoor drop access
Color	White

GJXH-1(2)	
Fiber type	G6572A
Fiber count	1core or 2core
Jacket	LSZH Sheath
Strength member	metal
Application	indoor drop access
Color	White





COMMUNICATION ACCESSORIES

<p>YD-YZCD-SC</p>  <p>SC perfabricated end butterfly cable</p>	<p>YD-GQLJQ-LC-TQ</p>  <p>LC jump fiber</p>	<p>YD-GQLJQ-SC-WQ</p>  <p>SC pigtail</p>	<p>YD-GFLQ-WQ-32-SC</p>  <p>PLC Splitter-1X32 SC/APC</p>	<p>YD-GFLQ-ABS-32-SC</p>  <p>1X32 ABS PLC Splitter</p>	<p>YD-12XTT-FC</p>  <p>FC 12 core integrated tray</p>
<p>YD-GQLJQ-FC-TQ</p>  <p>FC jump fiber</p>	<p>YD-GFLQ-HS-8-SC</p>  <p>PLC Splitter-1X8 SC/APC</p>	<p>YD-GFLQ-HS-32-SC</p>  <p>PLC Splitter-1X32 SC/APC</p>	<p>YD-12XTT-SC</p>  <p>SC 12 core integrated tray</p>	<p>YD-12XTT-QSP</p>  <p>12 core full color pigtail tray</p>	<p>YD-KSLJQ-SC</p>  <p>Quick connector</p>
<p>YD-WQ-12-FC</p>  <p>FC 12 core fiber pigtail</p>	<p>YD-GFLQ-WQ-8-SC</p>  <p>PLC Splitter-1X8 SC/APC</p>	<p>YD-GFLQ-HS-A2</p>  <p>Optical splitter</p>	<p>YD-GQLJQ-FC-SPQ</p>  <p>FC/PC single mode square adapter</p>	<p>YD-GQLJQ-SC-SPQ</p>  <p>SC/PC simplex mode adapter</p>	<p>YD-GQLJQ-LC-SPQ</p>  <p>LC/PC duplex single mode adapter</p>