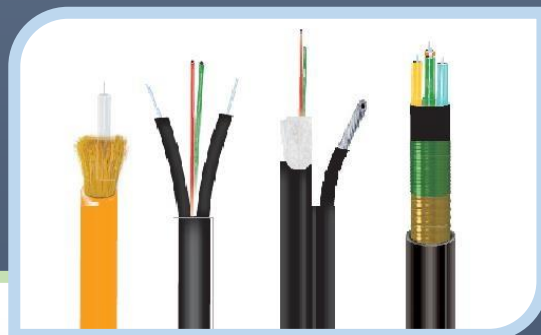


2019



Cable and Passive Components

PRODUCT BROCHURE

LINKU

LinkU

WWW.LINKUTEL.COM

Content

FO Connectors

Connector	1
Adaptor	3
Loopback.....	4
Attenuator.....	4
Fast Connector	5

Pigtail / Patchcord

Pigtail.....	6
Patchcord	7
MTP/MPO Patchcord	8
MTP/MPO Fan-out Patchcord	9

Indoor Cable

Regular Indoor Cable	10
Indoor Micro Break-out Cable	12
Indoor Multicore Micro Breakout Cable	12
Indoor Multicore Fan-out Cable Type A.....	13
Indoor Multicore Fan-out Cable Type B.....	13
Indoor/Outdoor Drop Cable (FTTH).....	14

Outdoor Cable

Stranded Loose Tube Non-Armored Cable (GYTA)	15
Stranded Loose Tube Light-Armored Cable (GYTS).....	15
Stranded Loose Tube Non-Metallic Strength Member Non-Armored Cable (GYFTY)	16
All Dielectric Self-supporting Aerial Cable (ADSS)	16
Outdoor Figure 8 Cable (GYXTC8Y)	17
Outdoor Figure 8 Cable (GYXTC8S)	17
Outdoor Figure 8 Cable (GYTC8S).....	17
Unitube Light-Armored Cable (GYXTW)	18

PLC Splitter

Bare Fiber PLC Splitter	19
Micro Type PLC Splitter	20
Cassette Type PLC Splitter	21
Module Type PLC Splitter	22
Tray Type PLC Splitter	23
Rack-Mount Type PLC Splitter.....	24

Connector

Features

- ❖ Pre-assembled one-piece design to reduce assembly time
- ❖ Wide variety of boot size available
- ❖ Low insertion loss; High return loss
- ❖ 100% interferometer tested
- ❖ Performance according to IEC61754
- ❖ RoHS compliant

Specifications

Typical Spec.		Single-Mode	Multi-Mode
Insertion Loss		≤ 0.25 dB	≤ 0.25 dB
Return Loss	UPC	≥ 50 dB	≥ 20 dB
	APC	≥ 60 dB	
Repeatability (500 Mating Times)		Δ I.L. ≤ 0.25 dB	
Operating Temperature		-20 ~ +75°C	
Storage Temperature		-20 ~ +85°C	

FC Connector



FC 0.9mm
Common Boot



FC 2.0/3.0mm
Common Boot



FC 0.9mm
G-Series Boot



FC 2.0/3.0mm
G-Series Boot

ST Connector



ST 0.9mm
Common Boot



ST 2.0/3.0mm
Common Boot



ST 0.9mm
G-Series Boot



ST 2.0/3.0mm
G-Series Boot

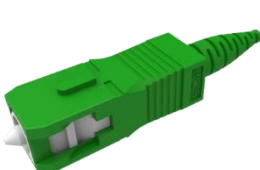
SC Connector



SC 0.9mm
Common Boot



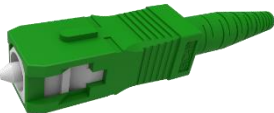
SC 2.0/3.0mm
Common Boot



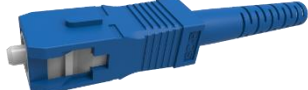
SC 0.9mm
G-Series Boot



SC 2.0/3.0mm
G-Series Boot

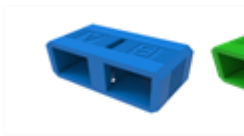


SC 1.2/1.6mm

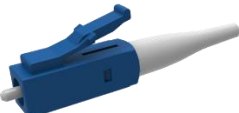


SC 4.0mm

SC Duplex Clip



LC Connector



LC 0.9mm Simplex
Common Boot



LC 2.0/3.0mm Simplex
Common Boot



LC 1.2/1.6mm Simplex



SC 4.0mm Simplex



LC 0.9mm Duplex



LC 2.0/3.0mm Duplex

LC Duplex Clip



Ordering Information

Sample: CC112240

Connector Type		Core Num.		Ferrule Type		Housing Color		Boot Type.		Boot Color	
1	SC	1	Simplex	1	UPC SM	1	Blue	1	0.9 mm	1	Blue
2	LC	2	Duplex	2	APC SM	2	Green	2	1.2 mm	2	Green
3	FC			3	UPC MM	3	Beige	3	1.6 mm	3	Beige
4	ST					4	Aqua	4	2.0 mm	4	Aqua
5	MU					5	Violet	5	3.0 mm	5	Violet
6	E2000					6	Purple	6	4.0 mm	6	Purple
						9	Black	C	Customized	9	Black
						0	White			0	White
						C	Customized			C	Customized

Adaptor

Description

We offer a full range of adaptors for both PC and APC applications. These adaptors are mainly applied for telecommunication and networking. Our fiber optic adaptors are available in a series of colors and their inside sleeves can be made by phosphor bronze, zirconia or nickel.

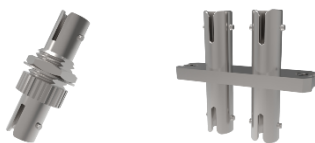
Specifications

Polishing Mode	UPC/APC
Typical Insertion Loss	≤ 0.20 dB
Durability (Mating cycles)	≥ 1000
Operating Temperature	-20 ~ +75°C
Storage Temperature	-40 ~ +85°C

FC & ST Adaptor

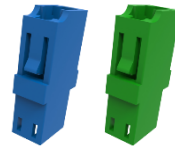


FC Adaptor

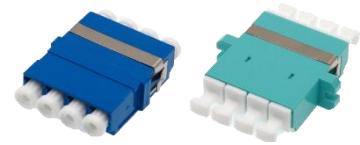


ST Adaptor

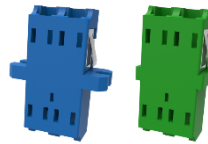
LC & MU Adaptor



LC Simplex



LC Duplex



LC Duplex

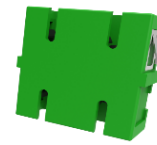


MU Simplex

SC Adaptor



SC Simplex



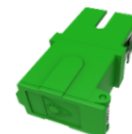
SC Common Duplex



SC With Inner Shutter



SC With Pull Shutter



SC With Side Shutter



SC With Push Shutter

Other adaptors



E2000 Adaptor



MU Adaptor



MTP/MPO Adaptor

Ordering Information

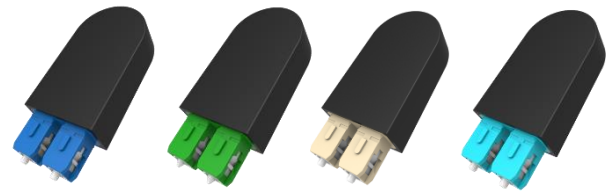
Sample: CF111202 ---- SC Adaptor, Simplex, Zirconia Sleeve, Green, No shutter, Screw Mounting

Connector Type	Core Num.	Sleeve Type	Color	Shutter	Mounting
1 SC	1 Simplex	1 Zirconia	1 Blue	1 Pull Shutter	1 Snap-in
2 LC	2 Duplex	2 Metal	2 Green	2 Push Shutter	2 Screw
3 FC	4 Qual		3 Beige	3 Side Shutter	
4 ST			4 Aqua	4 Inner Shutter	
5 MU			5 Black	0 No Shutter	
6 E2000			6 Metal		
7 MTP/MPO					

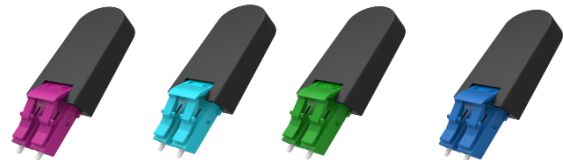
Loopback

Features

- ❖ Effectively test the transmission capability
- ❖ Compact design
- ❖ Both Multimode and singlemode applications
- ❖ Compliant with Telcordia, EIA/TIA and IEC standard



SC Loopback



LC Loopback

Ordering Information

Sample: CLB2111 ---- LC Loopback, SM/UPC, Blue, Black Housing

Connector Type		Mode	Connector Color	Housing color
1	SC	1 SM/UPC	1 Blue	1 Black
2	LC	2 SM/APC	2 Green	C Customized
3	MPO/MTP	3 MM/OM1/2	3 Beige	
		4 MM/OM3	4 Aqua	
		5 MM/OM4	5 Purple	

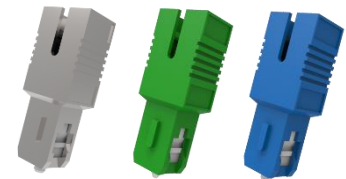


MPO/MTP Loopback

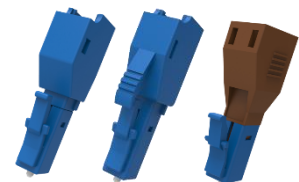
Attenuator

Features

- ❖ Provide stable attenuation from 1 to Max. 25 dB with 1dB increments
- ❖ Performance according to IEC61754
- ❖ Compliance with RoHS



SC Attenuator



LC Attenuator



FC Attenuator

Specifications

Connector Type	FC/SC/ST/LC, E9/125
Polishing mode	UPC/APC
Wavelength	1310/1550nm
Return Loss ①	≥50dB (UPC), ≥60dB (APC)
Attenuation Tolerance ②	±0.5dB@1~5dB; ±0.75dB@6~10dB; ±10% @11~25dB
Operating Temp.	-20 ~ +70°C

① Measurement procedure acc. to IEC61300-3-6

② Measurement procedure acc. to IEC61300-3-4

Ordering Information

Sample: CMA12305 ---- SC Attenuator, SM/APC, Green, 5dB

Connector Type		Mode	Color	Attenuation	
1	SC	1 SM/UPC	1 Metal	05	5dB
2	LC	2 SM/APC	2 Blue	10	10dB
3	FC		3 Green	15	15dB
4	ST		4 Customized	20	20dB
				XX	Customized



ST Attenuator

Fast Connector

Description

Field optical fast connector is a kind of innovative on-site terminal connector. It contains factory pre-installed fiber, pre-polished ceramic ferrule and a mechanical connection mechanism.

Specifications

Fiber type		Single mode
Insertion Loss		≤ 0.25 dB
Return Loss	UPC	≥ 50 dB
	APC	≥ 60 dB
Repeatability (500 Mating Times)		Δ I.L. ≤ 0.35 dB
Operating Temperature		-20 ~ +75°C
Storage Temperature		-40 ~ +85°C



FCN1C011 (55mm)



FCN1C012 (55mm)



FCN1C021 (53mm)



FCN1C022 (53mm)



FCN1C041 (50mm)



FCN1C042 (50mm)

Ordering Information

Sample: FCN11C01 ---- SC/UPC , Type C01

Connector		Type No.		PC/APC	
1	SC	C01	C01	UPC	1
2	LC	C02	C02	APC	2
3	FC		
4	ST	XXX	Customized		



FCN1C062



FCN1C072 (50mm)



FCN1D021
FCN1D022



FCN1D031
FCN1D032



FCN1D041
FCN1D042



FCN1T022



FCN1G011
(LC Connector)



FCN1H021
(SC Connector)



FCN1S081
(For Fusion)



FCN1T041

Pigtail

Applications

- ❖ Telecommunication networks;
- ❖ Local area networks; CATV;
- ❖ Active device termination;
- ❖ Data center;

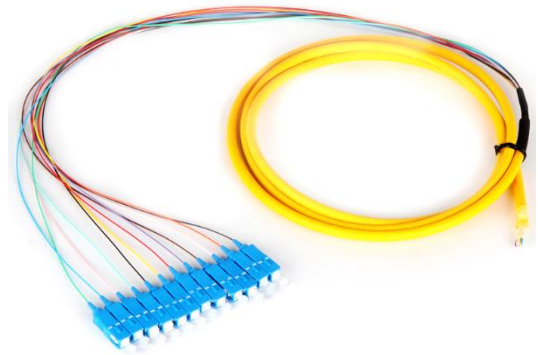


Features

- ❖ Wide variety of boot size available;
- ❖ Low insertion loss, High return loss
- ❖ 100% interferometer tested;

Specifications

Typical Insertion Loss	≤ 0.20 dB
Max Insertion Loss	≤ 0.25 dB
Repeatability (500 Mating Times)	ΔI.L. ≤ 0.25 dB
Bend Radius	3.8 cm
Operating Temperature	-20 ~ +75°C
Storage Temperature	-20 ~ +85°C



Ordering Information

Sample: PG-01-A-SC-Z-010 ---- Pigtail, Simplex, G652D, SC/UPC, LSZH, 1.0m

Core Num		Fiber Type		Connector		Jacket Mat.		Length	
01	Simplex	A	SM G652D	SC	SC/UPC	V	PVC	010	1.0m
02	Duplex	B	SM G657A	AS	SC/APC	Z	LSZH	015	1.5m
04	4 Cores	D	SM G657B	LC	LC/UPC			020	2.0m
12	12 Cores	P	OM1	AL	LC/APC			030	3.0m
		Q	OM2	FC	FC/UPC			XXX	Customized
		R	OM3	AF	FC/APC				
		S	OM4	ST	ST/UPC				
				AT	ST/APC				
				E2	E2000/UPC				
				AE	E2000/APC				
				MU	MU/UPC				
				CX	Customized				

Patchcord

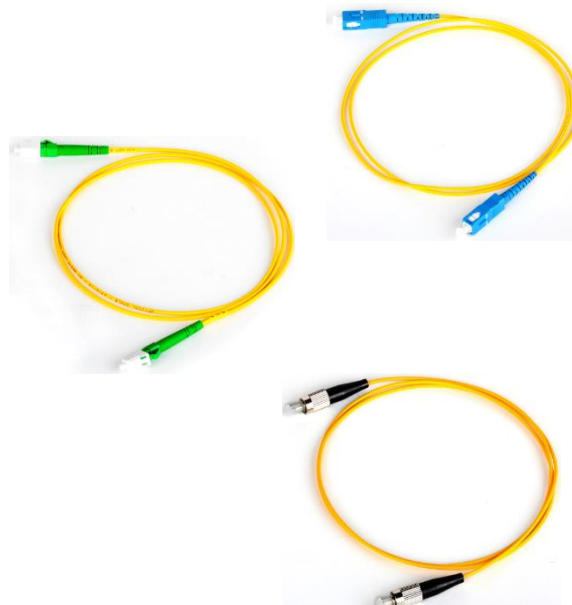
Features

- ❖ Wide variety of boot size available;
- ❖ Low insertion loss, High return loss
- ❖ 100% interferometer tested;

Specifications

Typical Spec.		Single-Mode	Multi-Mode
Insertion Loss		≤ 0.25 dB	≤ 0.25 dB
Return Loss	UPC	≥ 50 dB	≥ 20 dB
	APC	≥ 60 dB	
Repeatability (500 Mating Times)		ΔI.L. ≤ 0.25 dB	
Operating Temperature		-20 ~ +75°C	
Storage Temperature		-20 ~ +85°C	

Regular Patchcord



Multi-core Patchcord



Drop Cable Patchcord



Ordering Information

Sample: PC-01-A-SC-AS-4-Z-010 ---- Patch cord, Simplex, G652D, SC/UPC-SC/APC, 2.0mm, LSZH, 1.0m

Core Num		Fiber Type		Connector 1 & 2		Cable Diameter		Jacket Mat.		Length	
01	Simplex	A	SM G652D	SC	SC/UPC	1	0.9mm	V	PVC	010	1.0m
02	Duplex	B	SM G657A	AS	SC/APC	2	1.2mm	Z	LSZH	015	1.5m
04	4 Cores	D	SM G657B	LC	LC/UPC	3	1.6mm	R	OFNR	020	2.0m
08	8 Cores	P	OM1	AL	LC/APC	4	2.0mm	P	OFNP	030	3.0m
12	12 Cores	Q	OM2	FC	FC/UPC	5	3.0mm			XXX	Customized
XX	XX Cores	R	OM3	AF	FC/APC	6	4.0mm				
		S	OM4	ST	ST/UPC	D1	3.1*2.0mm + FRP				
				AT	ST/APC	D2	3.1*2.0mm + KFRP				
				E2	E2000/UPC						
				AE	E2000/APC						
				MU	MU/UPC						
				MT	MTRJ						
				CX	Customized						

Indoor Cable Series

Regular Indoor Cable

Applications

- ❖ Used as building to building connecting cable;
- ❖ Deployed along the wall / ceiling, between layers and in conduits;
- ❖ Used as pigtails, movable connectors and patch cord for communication equipment.

Features

- ❖ High strength yarn member;
- ❖ Small outer diameter, lightweight, flame-retardant, soft and easy to strip;
- ❖ High quality tight buffered or loose tube;
- ❖ O.D. 1.2mm–4.0mm optional (Simplex);
- ❖ G652D, G657A, G657B; OM1, OM2, OM3 and OM4 fiber available;

Specifications

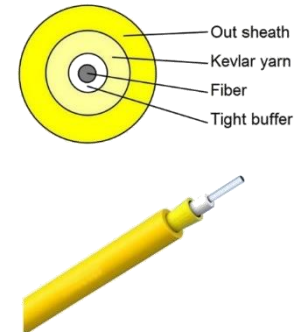
Simplex Cable						
Outer Diameter (mm)		1.6	1.8	2.0	2.4	3.0
Weight (kg/km)		2.9	3.2	3.5	5.0	6.8
Max. tensile Strength (N)	Short-term	80	80	100	100	150
	Long-term	40	40	60	60	80
Min. Bending Radius (mm)	Dynamic	20D				
	Static	10D				
Max. Crush Resistance (N/100mm ²)		500				
Operating Temperature		-20 ~ +70°C				

- Note:** 1. Different materials and cable structures could be customized;
 2. Specifications are subject to change due to different material and structure.

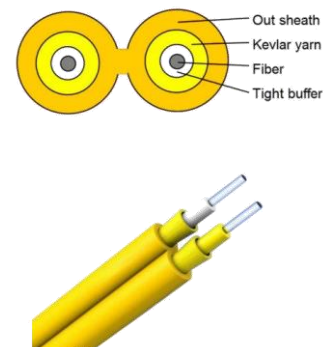
Zipcord Duplex Cable					
Outer Diameter (mm)		1.6*3.3	1.8*3.7	2.0*4.1	2.8*5.7
Weight (kg/km)		5.7	6.7	8.2	13.2
Max. tensile Strength (N)	Short-term	160	160	200	200
	Long-term	80	80	100	160
Min. Bending Radius (mm)	Dynamic	20H			
	Static	10H			
Max. Crush Resistance (N/100mm ²)		1000			
Operating Temperature		-20 ~ +70°C			

- Note:** 1. Different materials and cable structures could be customized;
 2. Specifications are subject to change due to different material and structure.

Simplex Cable



Zipcord Duplex Cable



Round Duplex Cable			
Outer Diameter (mm)		3.0	5.0
Weight (kg/km)		7.6	19
Max. tensile Strength (N)	Short-term	80	160
	Long-term	40	80
Min. Bending Radius (mm)	Dynamic	20D	
	Static	10D	
Max. Crush Resistance (N/100mm ²)		500	
Operating Temperature		-20 ~ +70°C	

- Note:**
1. Different materials and cable structures could be customized;
 2. Specifications are subject to change due to different material and structure.

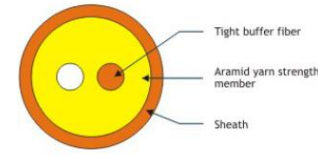
Flat Twin Cable			
Outer Diameter (mm)		4.0*7.0	3.1*5.2
Weight (kg/km)		31	18
Max. tensile Strength (N)	Short-term	200	300
	Long-term	100	160
Min. Bending Radius (mm)	Dynamic	20H	
	Static	10H	
Max. Crush Resistance (N/100mm ²)		1000	
Operating Temperature		-20 ~ +70°C	

- Note:**
1. Different materials and cable structures could be customized;
 2. Specifications are subject to change due to different material and structure.

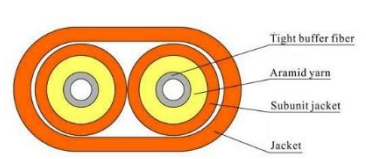
Flat Ribbon Cable					
Outer Diameter (mm)		1.6*3.3	1.8*3.7	2.0*4.1	2.8*5.7
Weight (kg/km)		5.7	6.7	8.2	13.2
Max. tensile Strength (N)	Short-term	160	160	200	200
	Long-term	80	80	100	160
Min. Bending Radius (mm)	Dynamic	20H			
	Static	10H			
Max. Crush Resistance (N/100mm ²)		1000			
Operating Temperature		-20 ~ +70°C			

- Note:**
1. Different materials and cable structures could be customized;
 2. Specifications are subject to change due to different material and structure.

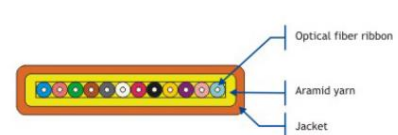
Round Duplex Cable



Flat Twin Cable



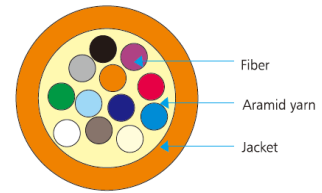
Flat Ribbon Cable



Indoor Multi-core fiber Cable

Features

- ❖ High strength yarn member;
- ❖ High quality tight buffered / loose tube;
- ❖ 4C ~ 24C fiber optional;
- ❖ Various yarn and jacket materials optional.

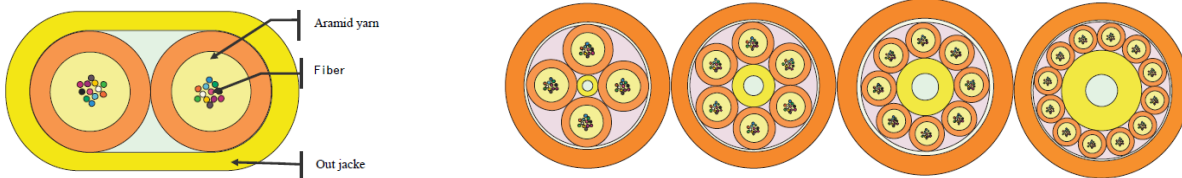


Specifications

Core number		12	24
Outer Diameter (mm)		3.0±0.15	3.8±0.2
Weight (kg/km)		4.8	6.5
Max. tensile Strength (N)	Short-term	100	150
	Long-term	30	50
Min. Bending Radius (mm)	Dynamic	20D	20D
	Static	10D	10D
Max. Crush Resistance (N/100mm ²)		500	1000

- Note:* 1. Different materials and cable structures could be customized;
 2. Specifications are subject to change due to different material and structure.

Indoor Multi-core Micro Break-out Cable



Specifications

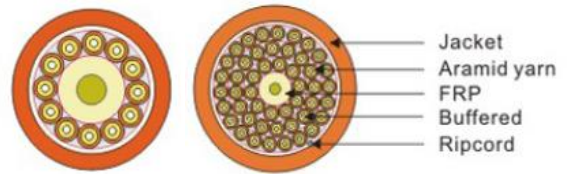
Core number		24	48	72	96	144
Outer Diameter (mm)		4.2±0.3*7.6±0.4	9.0±0.5	11.2±0.5	13.5±0.5	17.5±0.5
Weight (kg/km)		31	79	126	178	285
Max. tensile Strength (N)	Short-term	300	600	1000	1000	1000
	Long-term	160	200	300	300	300
Max. Crush Resistance (N/100mm ²)	Short-term	1000	1000	1000	1000	1000
	Long-term	300	300	300	300	300

- Note:* 1. Different materials and cable structures could be customized;
 2. Specifications are subject to change due to different material and structure.

Indoor Multi-core Break-out Cable

Features

- ❖ Each simplex cable contains strength aramid yarn, high strength.
- ❖ Good bending performance, no gel, easy to be spliced.
- ❖ 2C ~ 48C fiber optional;
- ❖ Various yarn and jacket materials optional.



Specifications

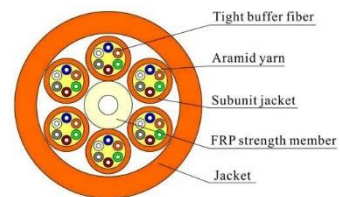
Core number		4	6	8	12	24	48
Outer Diameter (mm)		7.5±0.5	9.0±0.5	10.0±0.5	12.5±0.5	15.5±0.5	20.5±0.5
Weight (kg/km)		51	68	88	128	198	246
Max. tensile Strength (N)	Short-term	660	700	800	1200	1200	1800
	Long-term	200	200	250	400	500	600
Max. Crush Resistance (N/100mm ²)	Short-term	1000	1000	1000	1000	1000	1000
	Long-term	300	300	300	300	300	300

- Note:** 1. Different materials and cable structures could be customized;
 2. Specifications are subject to change due to different material and structure.

Indoor Multi-core Mini Break-out Cable

Features

- ❖ Composed of 6 units of multi-core buffered cables around the central strength member, each unit has independent strength member and jacket.
- ❖ Easy splicing, suitable for large capacity data transmission.
- ❖ 36C ~ 144C fiber optional;
- ❖ Various yarn and jacket materials optional.



Specifications

Core Num	Units	Cores in each unit	Outer Diameter (mm)	Weight (kg/km)
36	6	6	19.9±0.8	210
48	6	8	20.0±0.8	250
72	6	12	21.0±0.8	300
96	6	16	25.5±0.8	460
144	6	24	28.2±0.8	680

- Note:** 1. Different materials and cable structures could be customized;
 2. Specifications are subject to change due to different material and structure.

Indoor/Outdoor Drop Cable (FTTH)

Features

- ❖ Simple and convenient structure
- ❖ Good design for lateral crushing resistance
- ❖ White/black color normally, other color upon request
- ❖ Various material for out jacket optional



Drop cable without IB (Steel wire)

Specifications

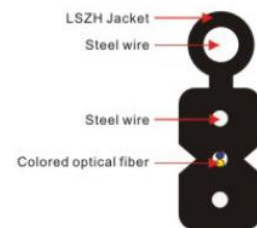
Core Num	Outer Diameter (mm)	Weight (kg/km)	Min. Bending Radius (mm)	
			Dynamic	Static
1	(3.0±0.1) * (2.0±0.1)	9	20H	10H
2	(3.0±0.1) * (2.0±0.1)	9	20H	10H



Drop cable with IB (Steel wire)

Specifications

Core Num	Outer Diameter (mm)	Weight (kg/km)	Min. Bending Radius (mm)	
			Dynamic	Static
2	(5.0±0.1) * (2.0±0.1)	20	20H	10H



Note: 1. Different materials and cable structures could be customized;

2. Specifications are subject to change due to different material and structure.

Outdoor Cable Series

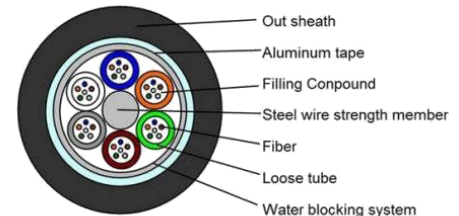
Stranded Loose Tube Non-Armored Cable (GYTA)

Application

- ❖ Long distance and local area network communication
- ❖ Can be used for outdoor distribution
- ❖ Suitable for duct and aerial laying

Feature

- ❖ Good mechanical and temperature performance
- ❖ High strength loose tube that is hydrolysis resistant
- ❖ Special tube filling compound ensure a critical protection of fiber
- ❖ An Aluminum Polyethylene Laminate (APL) is applied around the cable core
- ❖ Specially designed compact structure prevents loose tubes from shrinking
- ❖ Crush resistance and flexibility
- ❖ PE sheath protects cable from ultraviolet radiation
- ❖ Good performance for watertight and moisture-proof
- ❖ Up to 288 fibers



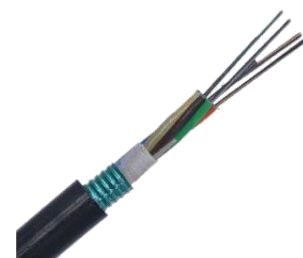
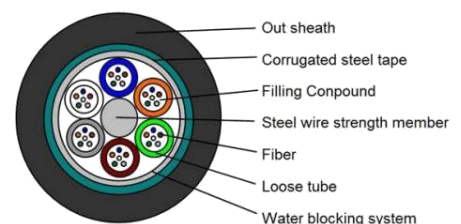
Stranded Loose Tube Light-Armored Cable (GYTS)

Application

- ❖ Long distance and local area network communication
- ❖ Can be used for outdoor distribution
- ❖ Suitable for duct, aerial laying and direct buried

Feature

- ❖ Good mechanical and temperature performance
- ❖ High strength loose tube that is hydrolysis resistant
- ❖ Special tube filling compound ensure a critical protection of fiber
- ❖ The PSP is longitudinally applied over the cable core
- ❖ Specially designed compact structure prevents loose tubes from shrinking
- ❖ Crush resistance and flexibility
- ❖ PE sheath protects cable from ultraviolet radiation
- ❖ Good performance for watertight and moisture-proof
- ❖ Up to 288 fibers



Stranded Loose Tube Non-Metallic Strength Member

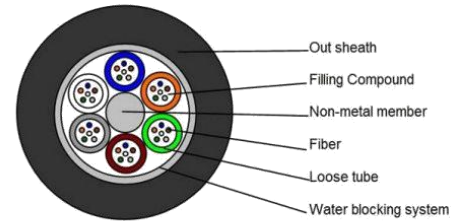
Non-Armored Cable (GYFTY)

Application

- ❖ Long distance and local area network communication
- ❖ Can be used for outdoor distribution
- ❖ Suitable for duct, aerial laying and direct buried

Feature

- ❖ Good mechanical and temperature performance
- ❖ High strength loose tube that is hydrolysis resistant
- ❖ Special tube filling compound ensure a critical protection of fiber
- ❖ Crush resistance and flexibility
- ❖ Good performance for watertight and moisture-proof
- ❖ Up to 144 fibers



All Dielectric Self-supporting Aerial Cable (ADSS)

Application

- ❖ Suitable for self-supporting Aerial laying
- ❖ Can be used for large span length between towers
- ❖ Suitable for High-voltage power transmission lines of different grades

Feature

- ❖ Small diameter and light weight reducing the load caused by ice and wind on towers
- ❖ Non-metal structure, good insulation, anti-thunder
- ❖ Fine production technology, even force for aramid fiber, with superior stress flexibility
- ❖ Good performance of tensile strength and temperature
- ❖ Can be installed without shutting off the power
- ❖ Electric trace resistant outer sheath is adopted to run safely under a circumstance of space electric field $(E) \leq 25KV/m$



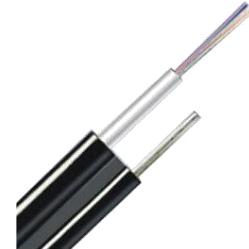
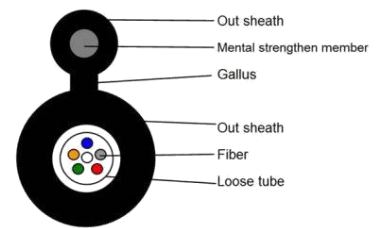
Outdoor Figure 8 Cable (GYXTC8Y)

Application

- ❖ Outdoor, Long distance, self-supporting Aerial

Feature

- ❖ High tensile strength of stranded wires for self-supporting
- ❖ Reduce the installation cost
- ❖ Central loose tubes with jelly compound inside to protect the cladding fiber
- ❖ The cross-section in figure 8 shape
- ❖ Up to 24 fibers



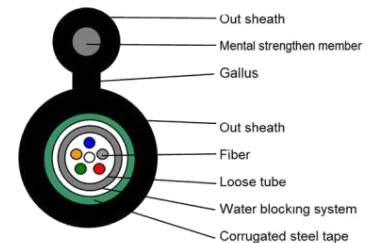
Outdoor Figure 8 Cable (GYXTC8S)

Application

- ❖ Outdoor, Long distance, self-supporting Aerial

Feature

- ❖ Stainless steel or galvanized steel self-supporting
- ❖ Central loose tubes with jelly compound inside to protect the cladding fiber
- ❖ Corrugated steel tape laminated with plastic at both sides bonding to PE sheath
- ❖ Plastic at both sides bonding to PE sheath; Up to 24 fibers



Outdoor Figure 8 Cable (GYTC8S)

Application

- ❖ Outdoor, Long distance, self-supporting Aerial
- ❖ area network communication.

Feature

- ❖ Stainless steel or galvanized steel self-supporting
- ❖ Loose tubes with jelly compound inside to protect the cladding fiber
- ❖ Corrugated steel tape laminated with plastic at both sides bonding to PE sheath
- ❖ The cross-section in figure 8 shape
- ❖ Up to 144 fibers



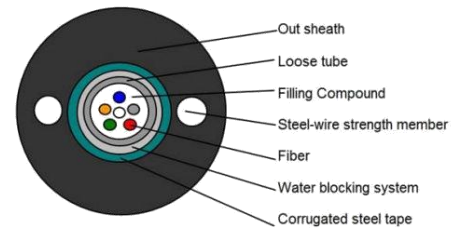
Unitube Light-Armored Cable (GYXTW)

Application

- ❖ Long distance and local area network communication
- ❖ Suitable for aerial, Pipeline laying method

Feature

- ❖ The two parallel round steel wires enhance tensile strength and crush resistance
- ❖ Excellent mechanical and environmental performance
- ❖ Small outer diameter, lightweight, suitable to installation and operation
- ❖ Special tube filling compound ensure a critical protection of fiber
- ❖ Crush resistance and flexibility
- ❖ Up to 24F



Ordering Information (Outdoor Fiber Cable)

Sample: GYTA-36-A-020

--- GYTA Cable, 36F, G652D, 2KM

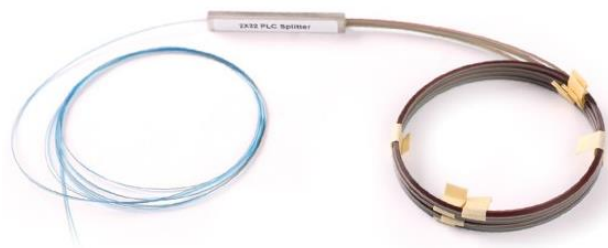
Cable Type	Core Num	Fiber Type		Length	
GYTA	04	A	SM G652D	010	1.0KM
GYTS	08	B	SM G657A	015	1.5KM
GYFTY	12	D	SM G657B	020	2.0KM
.....	24	G	SM G655	030	3.0KM
XXXXX	48	P	OM1	XXX	Customized
	Q	OM2		
	144	R	OM3		
	288	S	OM4		
		X	Customized		

Note. More structures of cable could be customized, please contact us for more detailed information.

Bare Fiber PLC Splitter

Description

PLC splitter is used to merge or separate optical signals at minimum loss. It works at any wavelength over the entire spectrum of 1260~1650nm and is widely used in optical networks. LinkU's bare fiber PLC splitter is especially suitable for tiny room installation and can be easily placed into different types of terminal boxes and distribution boxes.



Features

- Compact design
- Low insertion loss and low PDL
- High reliability
- High channel counts
- Wide operating and temperature range
- Customized packaging and configuration
- Full Telcordia GR1209/1221 qualifications

Specification

1×N PLCS (Without connector) Optical parameters						
Parameters	1×2	1×4	1×8	1×16	1×32	1×64
Operation wavelength (nm)	1260~1650					
Insertion loss (dB) Max	4.0	7.4	10.7	13.9	17.2	21.5
Return loss (dB) Min	55	55	55	55	55	55
PDL (dB) Max	0.2	0.2	0.3	0.3	0.3	0.3
Directivity (dB) Min	55	55	55	55	55	55
WDL (dB)	0.4	0.4	0.4	0.5	0.5	0.5
Pigtail length (m)	1.2(±0.1) or customer specified					
Fiber type	250um bare fiber					
Operation temperature (°C)	-40~85					
Storage temperature (°C)	-40~85					
Dimension (L×W×H) (mm)	40×4×4	40×4×4	40×4×4	40×4×4	50×7×4	60×12×4
2×N PLCS (Without connector) Optical parameters						
Parameters		2×4	2×8	2×16	2×32	2×64
Operation wavelength (nm)	1260~1650					
Insertion loss (dB) Max		7.6	11.0	14.8	17.9	21.5
Loss uniformity (dB) Max		1.2	1.5	1.8	2.0	2.0
Return loss (dB) Min		55	55	55	55	55
PDL (dB) Max		0.2	0.3	0.4	0.4	0.4
Directivity (dB) Min		55	55	55	55	55
WDL (dB)		0.4	0.4	0.5	0.5	0.5
Pigtail length (m)	1.2(±0.1) or customer specified					
Fiber type	250um bare fiber					
Operation temperature (°C)	-40~85					
Storage temperature (°C)	-40~85					
Dimension (L×W×H) (mm)		50×4×4	50×4×4	60×7×4	60×7×4	60×7×4

Micro Type PLC Splitter

Description

PLC splitter is used to merge or separate optical signals at minimum loss. It works at any wavelength over the entire spectrum of 1260~1650nm and is widely used in optical networks. LinkU's micro type PLC splitter is especially suitable for tiny room installation and can be easily placed into different types of terminal boxes and distribution boxes.



Features

- Compact design
- Low insertion loss and low PDL
- High reliability
- High channel counts
- Wide operating and temperature range
- Customized packaging and configuration
- Full Telcordia GR1209/1221 qualifications

Specification

1×N PLCS (With connector) Optical parameters						
Parameters	1×2	1×4	1×8	1×16	1×32	1×64
Operation wavelength (nm)	1260~1650					
Insertion loss (dB) Max	4.1	7.4	10.5	13.8	17.1	20.4
Return loss (dB) Min	APC	55	55	55	55	55
	UPC	50	50	50	50	50
PDL (dB) Max	0.2	0.2	0.3	0.3	0.3	0.3
Directivity (dB) Min	55	55	55	55	55	55
WDL (dB)	0.4	0.4	0.4	0.5	0.5	0.5
Pigtail length (m)	1.2(±0.1) or customer specified					
Fiber type	SMF-28e with 0.9mm tight buffered fiber					
Operation temperature (°C)	-40~85					
Storage temperature (°C)	-40~85					
Dimension (L×W×H) (mm)	40×4×4	40×4×4	40×4×4	40×4×4	50×7×4	60×12×4
2×N PLCS (With connector) Optical parameters						
Parameters		2×4	2×8	2×16	2×32	2×64
Operation wavelength (nm)	1260~1650					
Insertion loss (dB) Max		7.7	10.8	14.1	17.4	20.7
Return loss (dB) Min	APC	55	55	55	55	55
	UPC	50	50	50	50	50
PDL (dB) Max		0.2	0.3	0.4	0.4	0.4
Directivity (dB) Min		55	55	55	55	55
WDL (dB)		0.4	0.4	0.5	0.5	0.5
Pigtail length (m)	1.2(±0.1) or customer specified					
Fiber type	SMF-28e with 0.9mm tight buffered fiber					
Operation temperature (°C)	-40~85					
Storage temperature (°C)	-40~85					
Dimension (L×W×H) (mm)		50×4×4	50×4×4	60×7×4	60×7×4	60×12×6

Cassette Type PLC Splitter

Description

PLC splitter is used to merge or separate optical signals at minimum loss. It works at any wavelength over the entire spectrum of 1260~1650nm and is widely used in optical networks. LinkU's cassette type PLC splitter can easily be placed into optical fiber distribution box, optical fiber junction box, etc.



Features

- Compact design
- Low insertion loss and low PDL
- High reliability
- High channel counts
- Wide operating and temperature range
- Customized packaging and configuration
- Telcordia GR1209/1221 qualifications

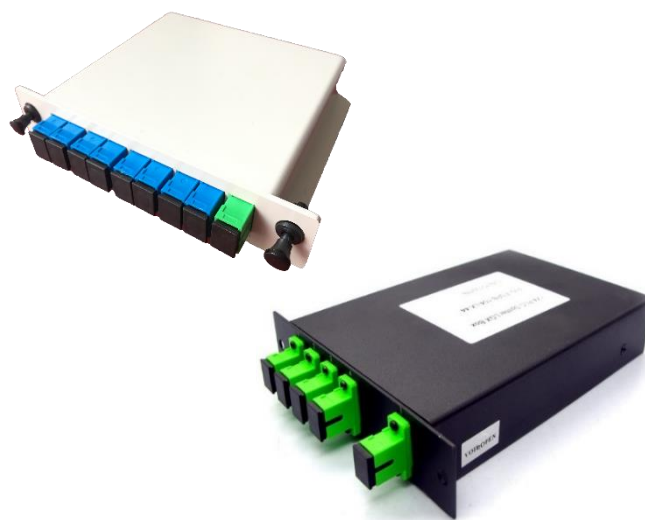
Specification

1×N PLCS (With connector) Optical parameters							
Parameters	1×2	1×4	1×8	1×16	1×32	1×64	
Operation wavelength (nm)	1260~1650						
Insertion loss (dB) Max	4.1	7.4	10.5	13.8	17.1	20.4	
Return loss (dB)	APC	55	55	55	55	55	55
	UPC	50	50	50	50	50	50
PDL (dB) Max	0.2	0.2	0.3	0.3	0.3	0.3	
Directivity (dB) Min	55	55	55	55	55	55	
WDL (dB)	0.4	0.4	0.4	0.5	0.5	0.5	
Pigtail length (m)	1.2(±0.1) or customer specified						
Fiber type	SMF-28e with 2.0/3.0mm tight buffered fiber						
Operation temperature (°C)	-20~65						
Storage temperature (°C)	-40~85						
Dimension (L×W×H) (mm)	100×80×10			120×80×18	140×114×18	140×114×18	
2×N PLCS (With connector) Optical parameters							
Parameters	2×2	2×4	2×8	2×16	2×32	2×64	
Operation wavelength (nm)	1260~1650						
Insertion loss (dB) Max	4.4	7.7	10.8	14.1	17.4	20.7	
Return loss (dB)	APC	55	55	55	55	55	55
	UPC	50	50	50	50	50	50
PDL (dB) Max	0.2	0.2	0.3	0.4	0.4	0.4	
Directivity (dB) Min	55	55	55	55	55	55	
WDL (dB)		0.4	0.4	0.5	0.5	0.5	
Pigtail length (m)	1.2(±0.1) or customer specified						
Fiber type	SMF-28e with 2.0/3.0mm tight buffered fiber						
Operation temperature (°C)	-20~65						
Storage temperature (°C)	-40~85						
Dimension (L×W×H) (mm)	100×70×9			120×80×18	140×114×18	140×114×18	

Module Type PLC Splitter

Description

PLC splitter is used to merge or separate optical signals at minimum loss. It works at any wavelength over the entire spectrum of 1260~1650nm and is widely used in optical networks. LinkU's module type PLC splitter can be easily placed in indoor terminal box, ODF frame or optical fiber distribution box directly.



Features

- Compact design
- Low insertion loss and low PDL
- High reliability
- High channel counts
- Wide operating and temperature range
- Customized packaging & configuration
- Telcordia GR1209/1221 qualifications

Specification

1×N PLCS (With connector) Optical parameters							
Parameters		1×2	1×4	1×8	1×16	1×32	1×64
Operation wavelength (nm)		1260~1650					
Insertion loss (dB) Max		4.1	7.7	11.0	14.0	17.2	21.3
Return loss (dB) Min	APC	55	55	55	55	55	55
	UPC	50	50	50	50	50	50
PDL (dB) Max		0.2	0.2	0.3	0.3	0.3	0.3
Directivity (dB) Min		55	55	55	55	55	55
Pigtail length (m)		1.2(±0.1) or customer specified					
Fiber type		SMF-28e with 2.0 / 3.0mm tight buffered fiber					
Operation temperature (°C)		-20~65					
Storage temperature (°C)		-40~85					
Dimension (L×W×H) (mm)	Module	128×101×25		128×101×51		130×101×102	130×101×206
	LGX Box	158×130×29		158×130×58		158×130×87	158×130×174
2×N PLCS (With connector) Optical parameters							
Parameters		2×2	2×4	2×8	2×16	2×32	2×64
Operation wavelength (nm)		1260~1650					
Insertion loss (dB) Max		4.4	8.1	11.5	14.5	17.8	21.8
Return loss (dB) Min	APC	55	55	55	55	55	55
	UPC	50	50	50	50	50	50
PDL (dB) Max		0.2	0.2	0.3	0.4	0.4	0.4
Directivity (dB) Min		55	55	55	55	55	55
Pigtail length (m)		1.2(±0.1) or customer specified					
Fiber type		SMF-28e with 2.0/3.0mm tight buffered fiber					
Operation temperature (°C)		-20~65					
Storage temperature (°C)		-40~85					
Dimension (L×W×H) (mm)	Module	128×101×25		128×101×51		130×101×102	130×101×206
	LGX Box	158×130×29		158×130×58		158×130×87	158×130×174

Tray Type PLC Splitter

Description

PLC splitter is used to merge or separate optical signals at minimum loss. It works at any wavelength over the entire spectrum of 1260~1650nm and is widely used in optical networks. LinkU's tray type PLC splitter can be easily placed in ODF frame or optical fiber distribution box directly.



Features

- Compact design
- Low insertion loss and low PDL
- High reliability
- High channel counts
- Wide operating and temperature range
- Customized packaging and configuration
- Telcordia GR1209/1221 qualifications

Specification

1×N PLCS (With connector) Optical parameters						
Parameters	1×4	1×8	1×16	1×32	1×64	
Operation wavelength (nm)	1260~1650					
Insertion loss (dB) Max	7.7	11.0	14.0	17.2	21.3	
Return loss (dB) Min	APC	55	55	55	55	55
	UPC	50	50	50	50	50
PDL (dB) Max	0.2	0.3	0.3	0.3	0.3	
Directivity (dB) Min	55	55	55	55	55	
Pigtail length (m)	1.0(±0.1) or customer specified					
Fiber type	SMF-28e with 0.9mm tight buffered fiber					
Operation temperature (°C)	-20~65					
Storage temperature (°C)	-40~85					
Dimension (L×W×H) (mm)	308×200×25/customization					
2×N PLCS (With connector) Optical parameters						
Parameters	2×4	2×8	2×16	2×32	2×64	
Operation wavelength (nm)	1260~1650					
Insertion loss (dB) Max	8.1	11.5	14.5	17.8	21.8	
Return loss (dB) Min	APC	55	55	55	55	55
	UPC	50	50	50	50	50
PDL (dB) Max	0.2	0.3	0.4	0.4	0.4	
Directivity (dB) Min	55	55	55	55	55	
Pigtail length (m)	1.0(±0.1) or customer specified					
Fiber type	SMF-28e with 0.9mm tight buffered fiber					
Operation temperature (°C)	-20~65					
Storage temperature (°C)	-40~85					
Dimension (L×W×H) (mm)	308×200×25/customization					

Rack-Mounted Type PLC Splitter

Description:

PLC splitter is used to merge or separate optical signals at minimum loss. It works at any wavelength over the entire spectrum of 1260~1650nm and is widely used in optical networks. LinkU's rack-mounted type PLC splitter can be placed into ODF frame, the dimension of 1U or 2U rack mount splitter can be customized



Features:

- Compact design
- Low insertion loss and low PDL
- High reliability
- High channel counts
- Wide operating and temperature range
- Customized packaging and configuration
- Telcordia GR1209/1221 qualifications

Specification

1×N PLCS (With connector) Optical parameters						
Parameters		1×4	1×8	1×16	1×32	1×64
Operation wavelength (nm)		1260~1650				
Insertion loss (dB) Max		7.7	11.0	14.0	17.2	21.3
Return loss (dB) Min	APC	55	55	55	55	55
	UPC	50	50	50	50	50
PDL (dB) Max		0.2	0.3	0.3	0.3	0.3
Directivity (dB) Min		55	55	55	55	55
Pigtail length (m)		1.0(±0.1) or customer specified				
Fiber type		SMF-28e with 2mm cable or customization				
Operation temperature (°C)		-20~65				
Storage temperature (°C)		-40~85				
Dimension (L×W×H) (mm)		483×200×1U/483×200×2U/customization				
2×N PLCS (With connector) Optical parameters						
Parameters		2×4	2×8	2×16	2×32	2×64
Operation wavelength (nm)		1260~1650				
Insertion loss (dB) Max		8.1	11.5	14.5	17.8	21.8
Return loss (dB) Min	APC	55	55	55	55	55
	UPC	50	50	50	50	50
PDL (dB) Max		0.2	0.3	0.4	0.4	0.4
Directivity (dB) Min		55	55	55	55	55
Pigtail length (m)		1.0(±0.1) or customer specified				
Fiber type		SMF-28e with 2mm cable or customization				
Operation temperature (°C)		-20~65				
Storage temperature (°C)		-40~85				
Dimension (L×W×H) (mm)		483×200×1U/483×200×2U/customization				



Shanghai LinkU Telecom Tech Co.,Ltd

☎ +86-21-5787 7996

✉ info@linkutel.com

📍 Room 401, Building 3, No.655 Jiujing Road,
Songjiang District, Shanghai,China