



GDTX
光点通信
FTTH DROP CABLE
FTTX/PATCH CORD/CONNECTOR

RESEARCH&DEVELOPMENT

MANUFACTURE

SALES

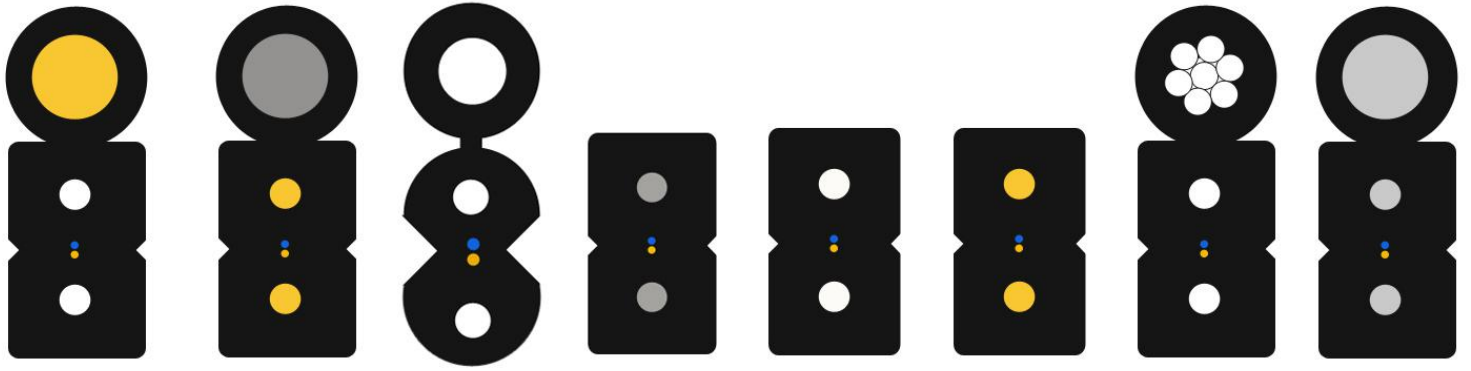
SERVICH

COMPANY

PRROFILE

Hangzhou Guangdian Communication Technology Co.,LTD is located in west of Hangzhou Lin'an City, close to Shanghai and Ningbo Port, which makes the transportation extremely convenient. Our company founded in September 2015, is a comprehensive enterprise and the AAA level credit enterprise, engaged in the manufacture of optical fiber cable FTTX, FTTH PATCH CORED, etc which can be used for Aerial, Duct, Direct burial etc. Our company is qualified with ISO9001, ISO14000, etc, and is actively participating in domestic and international cooperation with excellent enterprise credit, superior service system and best quality. Our enterprise mission: "today's quality is tomorrow's market".

PART I:FTTX CABLE



OEM&ODM TENDER

CATALOGUE

FLAT-TYPE CABLES 1,2,4, CORES, -----	01-02
FIGURE8-TYPE CABLES -----	04-08
FTTH PATCH -----	09-10

FTTX cable material **Strength member:** 0.5mm FRP rod/ 0.58KFRP rod/ 0.4mm Steel rod.
Messenger wire: 1.0mmFRP rod/1.0mm Steel rod/ 1.2mm Steel rod
/0.99mm(0.33mm*7) Steel Strand,/1.2mm(0.4mm*7) Steel Strand

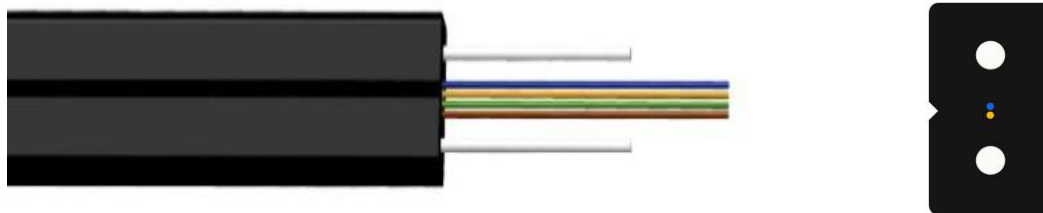
Sheath material: LSZH

Sheath color : Black (White, Grey color upon Request)

REMAKE: All material sizes can be customized according to customer' requirements

FLAT-TYPE CABLES 1,2,4, CORES,

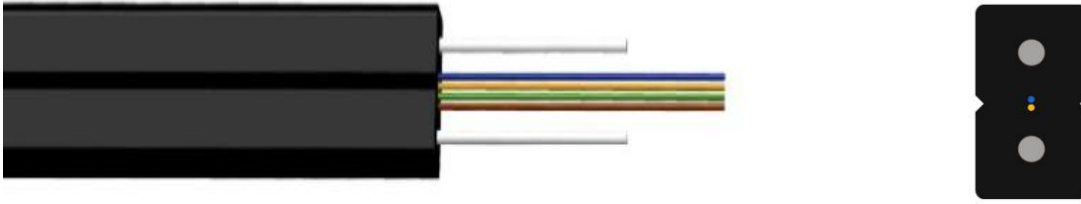
REINFORCED BY FRP RODS



Product code	Fiber optical flat type drop cables 1,2,4 cores Reinforced by FRP rods.
Cable type	FOC-FTTH-LSZH+2FRP-1XG657A1 FOC-FTTH-LSZH+2FRP-2XG657A1 FOC-FTTH-LSZH+2FRP-4XG657A1
Cable size	3.0*2.0±0.2mm
Fiber color	Blue,Orange, Green, Brown
Fiber types	9/125(G652D G657A1 G657A2)
Sheath color	Black (white, gray color upon request)
Sheath material	LSZH
Strength member	FRP rod. OD=0.4mm
Cable weight, kg/km	Approx 8.5kg
Min.bending radius,mm	7.5(static) 15(dynamic)
Attenuation, dB/km	≅ 0.4 at1310nm ≅ 0.3 at1550nm
Short term tensile,N	80
Crush resistance, N/100mm	1000
Operation temperature, °C	-40-+70
Packing	1000m or 2000m

FLAT-TYPE CABLES 1,2,4, CORES,

REINFORCED BY STEEL RODS



Product code	Fiber optical flat type drop cables 1,2,4 cores Reinforced by steel rods
Cable type	FOC-FTTH-LSZH+2SW-1XG657A1 FOC-FTTH-LSZH+2SW-2XG657A1 FOC-FTTH-LSZH+2SW-4XG657A1
Cable size	3.0*2.0±0.2mm
Fiber color	Blue,Orange, Green, Brown
Fiber types	9/125(G652D G657A1 G657A2)
Sheath color	Black (white, gray color upon request)
Sheath material	LSZH
Strength member	Steel rod. OD=0.4mm
Cable weight, kg/km	Approx 9.5kg
Min.bending radius,mm	7.5(static) 15(dynamic)
Attenuation, dB/km	≅ 0.4 at1310nm ≅ 0.3 at1550nm
Short term tensile,N	200
Crush resistance, N/100mm	2200
Operation temperature, °C	-40-+70
Packing	1000m or 2000m

FIGURE8-TYPE CABLES 1,2,4, CORES,

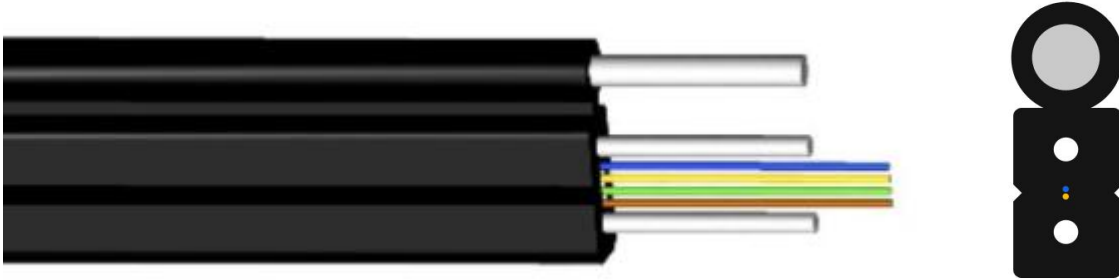
WITH FRP MESSENGER. REINFORCED BY FRP RODS



Product code	Fiber optical figure8 type drop cables 1,2,4 cores With FRP MESSENGER, Reinforced by FRP rods
Cable type	FOC-FTTH+8FRP-LSZH+2FRP-1XG657A1 FOC-FTTH+8FRP-LSZH+2FPR-2XG657A1 FOC-FTTH+8FRP-LSZH+2FRP-4XG657A1
Cable size	5.0*2.0±0.2mm
Fiber color	Blue,Orange, Green, Brown
Fiber types	9/125(G652D G657A1 G657A2)
Sheath color	Black (white, gray color upon request)
Sheath material	LSZH
Messenger wire	FRP rod. OD=1.0mm
Strength member	Steel rod. OD=0.4mm
Cable weight, kg/km	Approx 13.5kg
Min.bending radius,mm	10(static) 25(dynamic)
Attenuation, dB/km	≅ 0.4 at1310nm ≅ 0.3 at1550nm
Short term tensile,N	300
Crush resistance, N/100mm	1000
Operation temperature, °C	-40-+70
Packing	1000m or 2000m

FIGURE8-TYPE CABLES 1,2,4, CORES,

WITH STEEL MESSENGER. REINFORCED BY FRP RODS



Product code	Fiber optical figure8 type drop cables 1,2,4 cores With steel MESSENGER, Reinforced by FRP rods
Cable type	FOC-FTTH+8SW-LSZH+2FRP-1XG657A1 FOC-FTTH+8SW-LSZH+2FPR-2XG657A1 FOC-FTTH+8SW-LSZH+2FRP-4XG657A1
Cable size	5.0*2.0±0.2mm
Fiber color	Blue,Orange, Green, Brown
Fiber types	9/125(G652D G657A1 G657A2)
Sheath color	Black (white, gray color upon request)
Sheath material	LSZH
Messenger wire	Steel rod. OD=1.0mm
Strength member	FRP rod. OD=0.4mm
Cable weight, kg/km	Approx 17.5kg
Min.bending radius,mm	10(static) 25(dynamic)
Attenuation, dB/km	≅ 0.4 at1310nm ≅ 0.3 at1550nm
Short term tensile,N	600
Crush resistance, N/100mm	1000
Operation temperature, °C	-40-+70
Packing	1000m or 2000m

FIGURE8-TYPE CABLES 1,2,4, CORES,

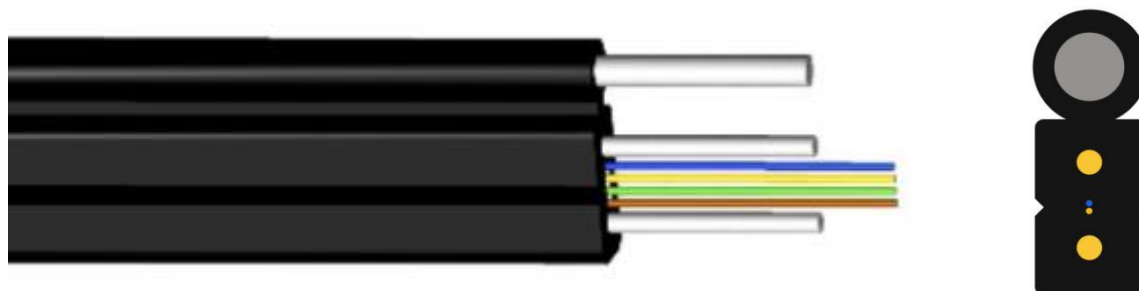
WITH STEEL MESSENGER. REINFORCED BY STEEL RODS



Product code	Fiber optical figure8 type drop cables 1,2,4 cores With steel MESSENGER, Reinforced by steel rods
Cable type	FOC-FTTH+8SW-LSZH+2SW-1XG657A1 FOC-FTTH+8SW-LSZH+2SW-2XG657A1 FOC-FTTH+8SW-LSZH+2SW-4XG657A1
Cable size	5.0*2.0±0.2mm
Fiber color	Blue,Orange, Green, Brown
Fiber types	9/125(G652D G657A1 G657A2)
Sheath color	Black (white, gray color upon request)
Sheath material	LSZH
Messenger wire	Steel rod. OD=1.0mm
Strength member	Steel rod. OD=0.4mm
Cable weight, kg/km	Approx 19.5kg
Min.bending radius,mm	10(static) 25(dynamic)
Attenuation, dB/km	≅ 0.4 at1310nm ≅ 0.3 at1550nm
Short term tensile,N	300
Crush resistance, N/100mm	1000
Operation temperature, °C	-40-+70
Packing	1000m or 2000m

FIGURE8-TYPE CABLES 1,2,4, CORES,

WITH Steel MESSENGER. REINFORCED BY KFRP RODS



Product code	Fiber optical figure8 type drop cables 1,2,4 cores With steel MESSENGER, Reinforced by KFRP rods
Cable type	FOC-FTTH+8SW-LSZH+2KFRP-1XG657A1 FOC-FTTH+8SW-LSZH+2KFRP-2XG657A1 FOC-FTTH+8SW-LSZH+2KFRP-4XG657A1
Cable size	5.0*2.0±0.2mm
Fiber color	Blue,Orange, Green, Brown
Fiber types	9/125(G652D G657A1 G657A2)
Sheath color	Black (white, gray color upon request)
Sheath material	LSZH
Messenger wire	Steel rod. OD=1.0mm
Strength member	KFRP. OD=0.58mm
Cable weight, kg/km	Approx 17.5.0kg
Min.bending radius,mm	10(static) 25(dynamic)
Attenuation, dB/km	≅ 0.4 at1310nm ≅ 0.3 at1550nm
Short term tensile,N	600
Crush resistance, N/100mm	2200
Operation temperature, °C	-40-+70
Packing	1000m or 2000m

FIGURE8-TYPE CABLES 1,2,4, CORES,

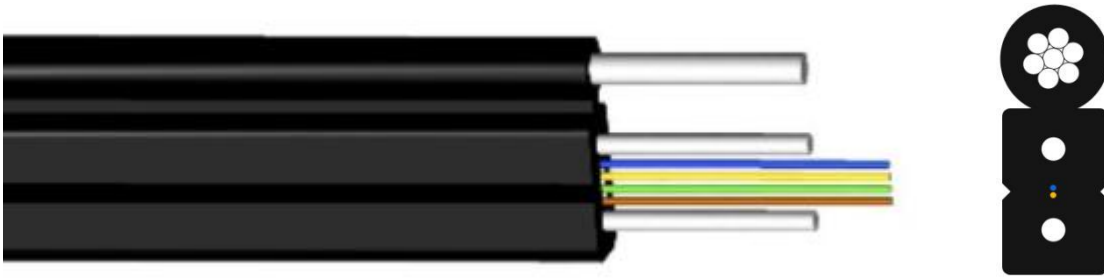
WITH STEEL STRAND MESSENGER. REINFORCED BY KFRP RODS



Product code	Fiber optical figure8 type drop cables 1,2,4 cores With Steel strand MESSENGER, Reinforced by KFRP rods
Cable type	FOC-FTTH+8SS-LSZH+2KFRP-1XG657A1 FOC-FTTH+8SS-LSZH+2KFRP-2XG657A1 FOC-FTTH+8SS-LSZH+2KFRP-4XG657A1
Cable size	5.0*2.0±0.2mm
Fiber color	Blue,Orange, Green, Brown
Fiber types	9/125(G652D G657A1 G657A2)
Sheath color	Black (white, gray color upon request)
Sheath material	LSZH
Messenger wire	Steel strand. OD=0.33mm*7
Strength member	KFRP. OD=0.58mm
Cable weight, kg/km	Approx 17.0kg
Min.bending radius,mm	10(static) 25(dynamic)
Attenuation, dB/km	≅ 0.4 at1310nm ≅ 0.3 at1550nm
Short term tensile,N	600
Crush resistance, N/100mm	2200
Operation temperature, °C	-40-+70
Packing	1000m or 2000m

FIGURE8-TYPE CABLES 1,2,4, CORES,

WITH STEEL STRAND MESSENGER. REINFORCED BY FRP RODS



Product code	Fiber optical figure8 type drop cables 1,2,4 cores With steel MESSENGER, Reinforced by FRP rods
Cable type	FOC-FTTH+8SS-LSZH+2FRP-1XG657A1 FOC-FTTH+8SS-LSZH+2FRP-2XG657A1 FOC-FTTH+8SS-LSZH+2FRP-4XG657A1
Cable size	5.0*2.0±0.2mm
Fiber color	Blue,Orange, Green, Brown
Fiber types	9/125(G652D G657A1 G657A2)
Sheath color	Black (white, gray color upon request)
Sheath material	LSZH
Messenger wire	Steel strand. OD=0.33mm*7
Strength member	FRP. OD=0.4mm
Cable weight, kg/km	Approx 17.0kg
Min.bending radius,mm	10(static) 25(dynamic)
Attenuation, dB/km	≅ 0.4 at1310nm ≅ 0.3 at1550nm
Short term tensile,N	600
Crush resistance, N/100mm	2200
Operation temperature, °C	-40-+70
Packing	1000m or 2000m

FLAT/Figure8-TYPE CABLES 1 CORES SC/UPC APC patch cord

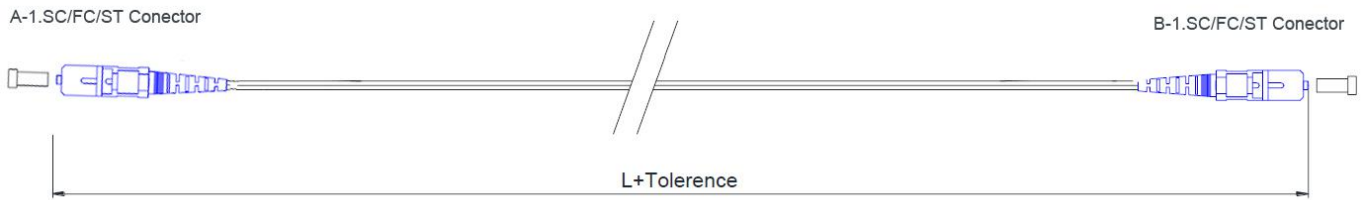
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WITH STEEL STRAND MESSENGER. REINFORCED BY FRP/STEEL/KRP RODS



Side A

Side B



Type Length (m)
SIM- FTTH CABLE SC-SC-M001-M300

XXM
1m to 300m

Length (m) Tolerance (m)

$L \leq 15 +0.3/-0$

$L > 15 \ 2\%L/-0$

Assembly

Connector type	A -SC UPC/APC, SM
Insertion loss	$\leq 0.3+0.4*L/1000\text{dB}$, $\lambda = 1310 \text{ nm}$
	$\leq 0.3+0.3*L/1000\text{dB}$, $\lambda = 1550 \text{ nm}$
	according to IEC-61300-3-4 Method B

Connector type	B -SC UPC/APC, SM
Insertion loss	$\leq 0.3+0.4*L/1000\text{dB}$, $\lambda = 1310 \text{ nm}$
	$\leq 0.3+0.3*L/1000\text{dB}$, $\lambda = 1550 \text{ nm}$
	according to IEC-61300-3-4 Method B

Return loss	$\geq 55 \text{ dB}$ according to IEC-61300-3-6 SC UPC
Return loss	$\geq 60 \text{ dB}$ according to IEC-61300-3-6 SC APC

FLAT/FIGURE8-TYPE CABLES 2 CORES SC/UPC APC patch cord

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WITH STEEL STRAND MESSENGER. REINFORCED BY FRP/STEEL/KRP RODS

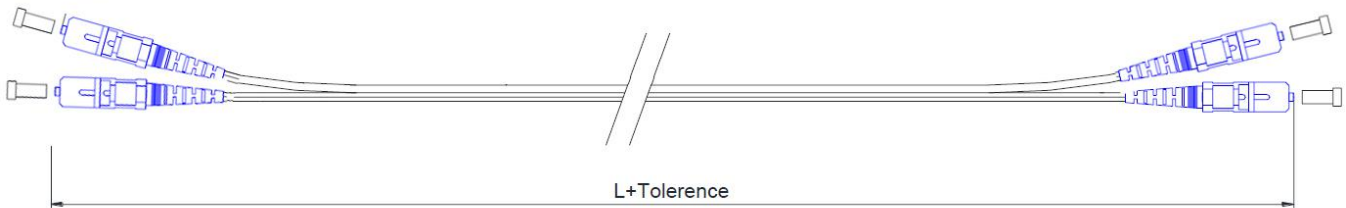


Side A

A-1.SC/FC/ST Conector
A-2.SC/FC/ST Conector

Side B

B-1.SC/FC/ST Conector
B-2.SC/FC/ST Conector



Type Length (m)

DUP- FTTH CABLE SC-SC-M001-M300

XXM

1m to 300m

Length (m) Tolerance (m)

$L \leq 15 +0.3/-0$

$L > 15 \ 2\%L/-0$

Assembly

Connector type	A -SC UPC/APC, SM
Insertion loss	$\leq 0.3+0.4*L/1000\text{dB}$, $\lambda = 1310 \text{ nm}$ $\leq 0.3+0.3*L/1000\text{dB}$, $\lambda = 1550 \text{ nm}$ according to IEC-61300-3-4 Method B

Connector type	B -SC UPC/APC, SM
Insertion loss	$\leq 0.3+0.4*L/1000\text{dB}$, $\lambda = 1310 \text{ nm}$ $\leq 0.3+0.3*L/1000\text{dB}$, $\lambda = 1550 \text{ nm}$ according to IEC-61300-3-4 Method B

Return loss	$\geq 55 \text{ dB}$ according to IEC-61300-3-6 SC UPC
Return loss	$\geq 60 \text{ dB}$ according to IEC-61300-3-6 SC APC