

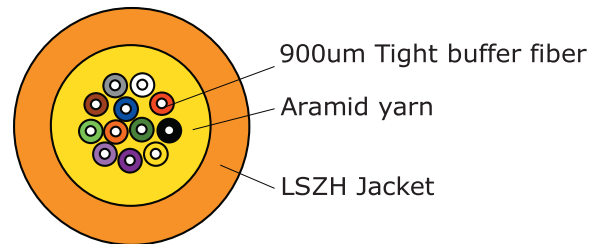
In-Door Fiber Optic Cable---Multi Purpose Distribution Cable

In-Door Fiber Optic Cable:

- Standard 04, 06, 08, 12C, and 14-24C upon request
- Extremely flexible, tight buffer cable design
- Meet the fire performance test of IEC60332-3C

Application:

- Inter-building
- Backbone premise pathways
- Drop ceiling
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center



Construction:

Tight buffer fiber Diameter	900±50 µm
Core reinforce	Aramid Yarn
Outer jacket material	LSZH
Color	SM:Yellow OM3:Aqua MM:Orange

Mechanical:

Max. loading (IEC60794-1) Installation / Operation	440N / 130N
Min. bend radius(IEC60794-1) Static / Dynamic	10xD / 20xD mm
Crush resistance(IEC60794-1)	1000N / 100mm

Physical:

Fiber count	4C	6C	8C	12C	24C
Cable diameter (mm)	4.8	5.1	5.6	6.2	8.1
Cable weight (kg/km)	18	23	31	36	57
Temperature rating Operation / Storage	-5°C to 50°C / -20°C to 60°C				

Transmission Performance:

Fiber type		OS2 (9/125µm)		OM3 (50/125µm)		OM2 (50/125µm)		OM1 (62.5/125µm)	
		1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	Typical	0.36	0.22	3.0	1.0	3.0	1.0	3.0	1.0
	Maximum	0.5	0.4	3.5	1.5	3.5	1.5	3.5	1.5
Bandwidth (MHz-km)	@850nm	---		≥1500		≥500		≥200	
	@1300nm	---		≥500		≥500		≥600	

P/N	Description	Std Pkg Qty
2101-XX007	4C	2km/reel
2101-XX008	6C	2km/reel
2101-XX009	8C	2km/reel
2101-XX010	12C	2km/reel

XX: 01-OS2, Single-Mode, 9/ 125µm
 02-OM2, Multi-Mode, 50/ 125µm
 03-OM1, Multi-Mode, 62.5/ 125µm
 04-OM3, Multi-Mode, 50/ 125µm



- Fiber counts 14-24C are available upon request

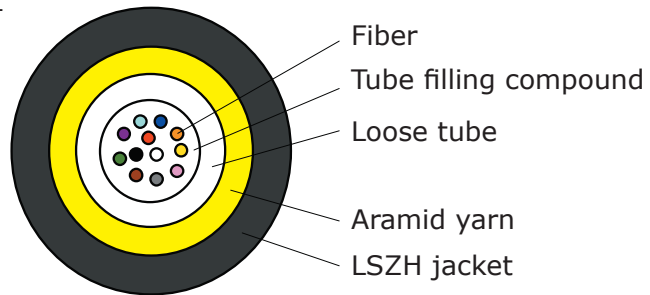
Indoor/Outdoor Fiber Optic Cable---Access Building Cable

Feature:

- Standard 02-24C
- Central code tube design
- Meet the fire performance test of IEC332-1

Application:

- Indoor/Outdoor in ducts
- Backbone premise pathways
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center



Construction:

Loose tube material	PBT
Water blocking material	Fiber filling
Core reinforce	Aramid yarn
Outer jacket material	LSZH, Black
Jacket thickness	Average 1.6mm

Mechanical:

Max. loading (IEC794-1) Installation / Operation	1000N / 400N
Min. bend radius (IEC794-1) Static / Dynamic	10xD / 20xD mm
Crush resistance (IEC794-1)	1000N / 100mm

Physical:

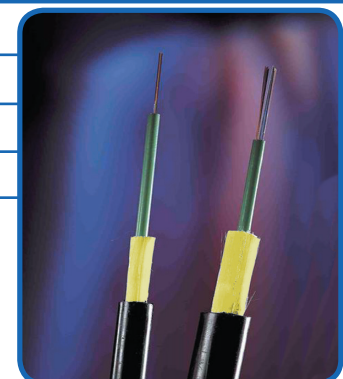
Fiber count	02-12C	14-24C
Cable diameter (mm)	6.2±0.4	7.2±0.4
Cable weight (kg/km)	42	59
Temperature rating Operation / Storage	-20°C to 60°C / -20°C to 60°C	

Transmission Performance:

Fiber type		OS2 (9/125um)		OM3 (50/125um)		OM2 (50/125um)		OM1 (62.5/125um)	
		1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	Typical	0.36	0.22	3.0	1.0	3.0	1.0	3.0	1.0
	Maximum	0.5	0.4	3.5	1.5	3.5	1.5	3.5	1.5
Bandwidth (MHz-km)	@850nm	---		≥1500		≥500		≥200	
	@1300nm	---		≥500		≥500		≥600	

P/N	Description	Std Pkg Qty
2102-XX010	4C	2km/reel
2102-XX011	6C	2km/reel
2102-XX012	8C	2km/reel
2102-XX013	12C	2km/reel

XX: 01-OS2, Single-Mode, 9/ 125um
 02-OM2, Multi-Mode, 50/ 125um
 03-OM1, Multi-Mode, 62.5/ 125um
 04-OM3, Multi-Mode, 50/ 125um



→ Fiber counts 14-24C are available upon request

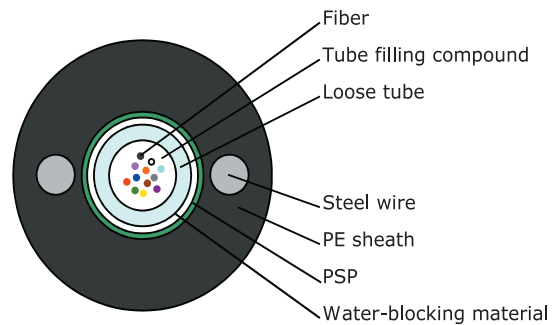
Out-Door Armor Fiber Optic Cable---Unitube Light-armed Cable

Feature:

- Standard 02-24C
- Central code tube design

Application:

- Duct/Aerial
- Backbone in LAN, MAN, WAN
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center



Construction:

Loose tube material	PBT	
Light Armor	PSP	
Steel Wire (mm)	1.2 (02-12C)	1.6 (14-24C)
Outer jacket material	PE, Black	
Sheath thickness	Average 2.2mm	

Mechanical:

Tensile Strength	Long Term	600N (02-12C)	1000N (14-24C)
	Short Term	1500N (02-12C)	3000N (14-24C)
Crush resistance	Long Term	300N / 100mm	
	Short Term	1000N / 100mm	
Min. bend radius	Static	10xDia. mm	
	Dynamic	20xDia. mm	

Physical:

Fiber count	02-12C	14-24C
Cable diameter (mm)	appro. 8.7	appro. 12.0
Cable weight (kg/km)	appro. 82	appro. 147
Temperature rating Operation / Storage	-40°C to 70°C / -40°C to 70°C	

Transmission Performance:

Fiber type	OS2 G652(9/125um)		OM3 (50/125um)		OM2 (50/125um)		OM1 (62.5/125um)	
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	≤0.36	≤0.22	≤3.0	≤1.0	≤3.0	≤1.0	≤3.3	≤1.0
Bandwidth (MHz-km)	---	---	≥1500	≥500	≥500	≥500	≥200	≥600

P/N	Description	Std Pkg Qty
2103-XX440	4C	2km/reel
2103-XX441	6C	2km/reel
2103-XX442	8C	2km/reel
2103-XX443	12C	2km/reel

XX: 01-OS2, Single-Mode, 9/ 125um
 02-OM2, Multi-Mode, 50/ 125um
 03-OM1, Multi-Mode, 62.5/ 125um
 04-OM3, Multi-Mode, 50/ 125um



- Fiber counts 14-24C are available upon request

Out-Door Dielectric Fiber Optic Cable---Loose Tube Non-metallic

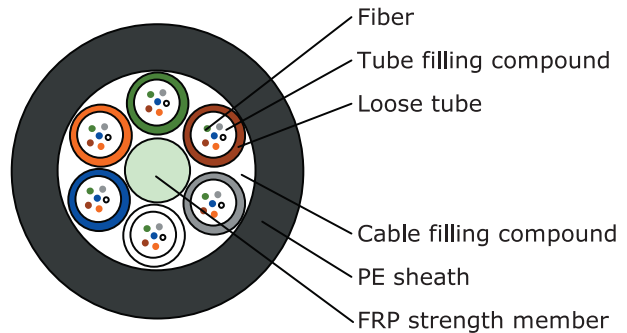
Feature:

- Standard 02-48C, and up to 144C
- Loose tube non-metallic cable

Application:

- Duct/Aerial
- Backbone in LAN, MAN, WAN
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center

Non-armored Cable



Construction:

Loose tube material	PBT
Strength member	FRP
Outer jacket material	PE, Black
Sheath thickness	Average 1.8mm

Mechanical:

Tensile Strength	Long Term	300N (02-36C)	600N (38-72C)	1000N (74-144C)
	Short Term	1000N (02-36C)	1500N (38-72C)	3000N (74-144C)
Crush resistance	Long Term	300N / 100mm		
	Short Term	1000N / 100mm		
Min. bend radius	Static	10xDia. mm		
	Dynamic	20xDia. mm		

Physical:

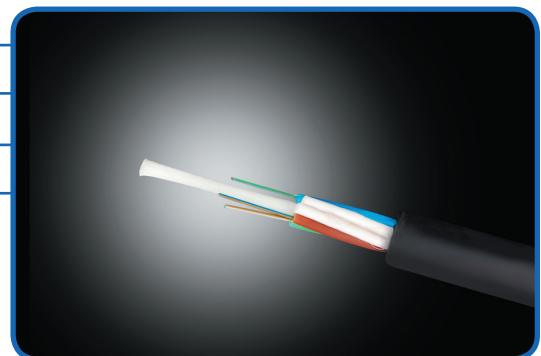
Fiber count	02-36C	38-48C
Cable diameter (mm)	appro. 10.5	appro. 11.7
Cable weight (kg/km)	appro. 93	appro. 115
Temperature rating Operation / Storage	-40°C to 70°C / -40°C to 70°C	

Transmission Performance:

Fiber type	OS2 G652(9/125um)		OM3 (50/125um)		OM2 (50/125um)		OM1 (62.5/125um)	
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	≤0.36	≤0.22	≤2.5	≤0.8	≤3.0	≤1.0	≤3.3	≤1.0
Bandwidth (MHz-km)	---	---	≥1500	≥500	≥500	≥500	≥200	≥600

P/N	Description	Std Pkg Qty
2103-XX332	4C	2km/reel
2103-XX333	6C	2km/reel
2103-XX334	8C	2km/reel
2103-XX335	12C	2km/reel

XX: 01-OS2, Single-Mode, 9/ 125um
 02-OM2, Multi-Mode, 50/ 125um
 03-OM1, Multi-Mode, 62.5/ 125um
 04-OM3, Multi-Mode, 50/ 125um



- Fiber counts 14-144C are available upon request

Out-Door Armor Fiber Optic Cable---Loose Tube Light-armed Cable

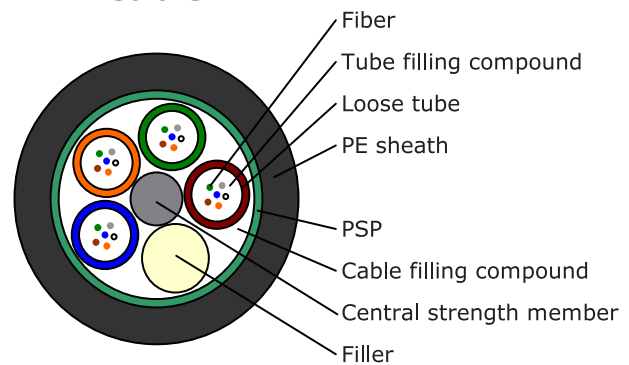
Feature:

- Standard 02-60C, and up to 144C
- Loose tube light-armed cable

Application:

- Duct/Aerial
- Backbone in LAN, MAN, WAN
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center

Cable



Construction:

Loose tube material	PBT
Light Armor	PSP
Strength member	Steel wire
Outer jacket material	PE, Black
Sheath thickness	Average 1.6mm

Mechanical:

Tensile Strength	Long Term	300N (02-30C) 600N (32-36C) 1000N (38-60C)
	Short Term	1000N (02-30C) 1500N (32-36C) 3000N (38-60C)
Crush resistance	Long Term	300N / 100mm
	Short Term	1000N / 100mm
Min. bend radius	Static	10xDia. mm
	Dynamic	20xDia. mm

Physical:

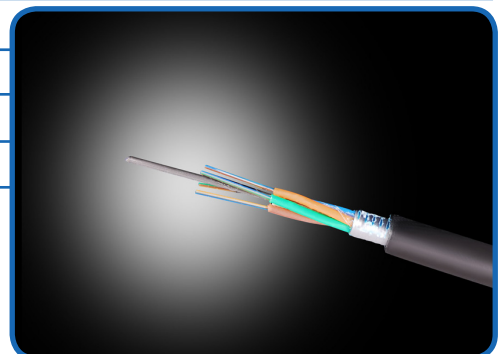
Fiber count	02-30C	32-36C	38-60C
Cable diameter (mm)	appro. 9.2	appro. 9.7	appro. 10.2
Cable weight (kg/km)	appro. 104	appro. 123	appro. 127
Temperature rating Operation / Storage	-40°C to 70°C / -40°C to 70°C		

Transmission Performance:

Fiber type	OS2 G652(9/125um)		OM3 (50/125um)		OM2 (50/125um)		OM1 (62.5/125um)	
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	≤0.36	≤0.22	≤3.0	≤1.0	≤3.0	≤1.0	≤3.3	≤1.0
Bandwidth (MHz-km)	---	---	≥1500	≥500	≥500	≥500	≥200	≥600

P/N	Description	Std Pkg Qty
2103-XX224	4C	2km/reel
2103-XX225	6C	2km/reel
2103-XX226	8C	2km/reel
2103-XX227	12C	2km/reel

- XX: 01-OS2, Single-Mode, 9/ 125um
- 02-OM2, Multi-Mode, 50/ 125um
- 03-OM1, Multi-Mode, 62.5/ 125um
- 04-OM3, Multi-Mode, 50/ 125um



- Fiber counts 14-144C are available upon request

Out-Door Self-supporting Fiber Optic Cable---Figure 8

Feature:

- Standard 02-30C
- Self-supporting armored cable

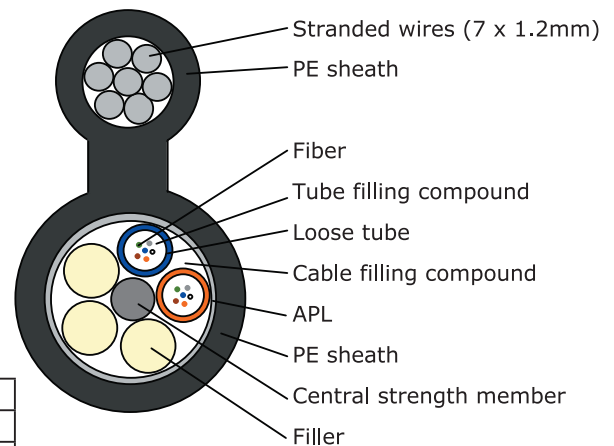
Application:

- Aerial
- Backbone in LAN, MAN, WAN
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center

Construction:

Loose tube material	PBT
Light Armor	APL
Strength member	Steel wire
Stranded wires	Steel (7 x 1.2mm)
Outer jacket material	PE, Black
Sheath thickness	
Suspension	Average 1.0mm
Cable core	Average 1.5mm

Loose Tube Armored Cable



Mechanical:

Tensile Strength	Long Term	600N
	Short Term	1500N
Crush resistance	Long Term	300N / 100mm
	Short Term	1000N / 100mm
Min. bend radius	Static	10xDia. mm
	Dynamic	20xDia. mm

Physical:

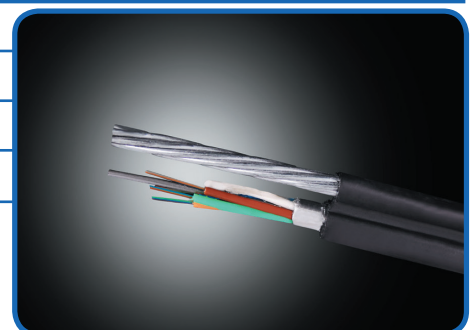
Fiber count	02-30C
Cable diameter (mm)	appro. 5.6×9.2×16.8 mm
Cable weight (kg/km)	appro. 162
Temperature rating Operation / Storage	-40°C to 70°C / -40°C to 70°C

Transmission Performace:

Fiber type	OS2 G652(9/125um)		OM2 (50/125um)		OM1 (62.5/125um)	
	1310nm	1550nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	≤0.36	≤0.22	≤3.0	≤1.0	≤3.3	≤1.0
Bandwidth (MHz-km)	---	---	≥500	≥500	≥200	≥600

P/N	Description	Std Pkg Qty
2103-XX664	4C	2km/reel
2103-XX665	6C	2km/reel
2103-XX666	8C	2km/reel
2103-XX667	12C	2km/reel

XX: 01-OS2, Single-Mode, 9/ 125um
 02-OM2, Multi-Mode, 50/ 125um
 03-OM1, Multi-Mode, 62.5/ 125um

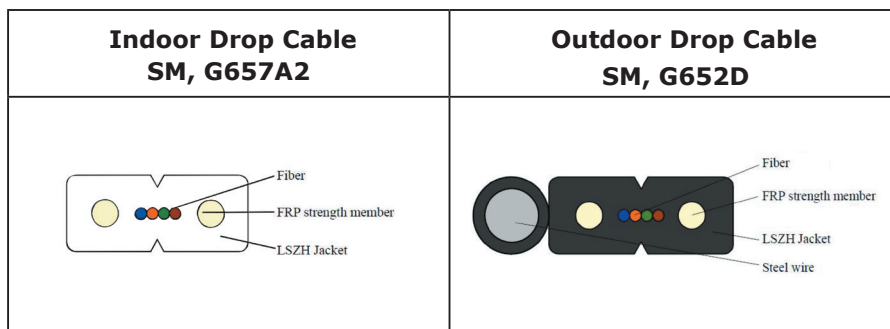


- Fiber counts 14-30C are available upon request

FTTH Flat drop cable (FRP)

Features:

- Standard 1-4C fiber ribbon
- Easy for stripping
- Indoor and outdoor application
- Meet the fire performance test of IEC60332-1



Construction:

Fiber Diameter	250 μm	
Core reinforce	FRP	
Strength member	-	Steel wire
Outer jacket material	LSZH	LSZH
Color	White	Black

Mechanical:

Max. loading (IEC60794-1) Installation / Operation	80N / 40N	600N / 300N(with steel wire)
Min. bend radius(IEC60794-1)	30mm	30mm(w/o steel wire)
Crush resistance(IEC60794-1)	1000N / 100mm	2200N / 100mm

Physical:

Cable diameter (mm)	2.0x3.0	2.0x5.2
Cable weight (kg/km)	8	20
Temperature rating Operation / Storage	-20°C to 60°C / -20°C to 60°C	

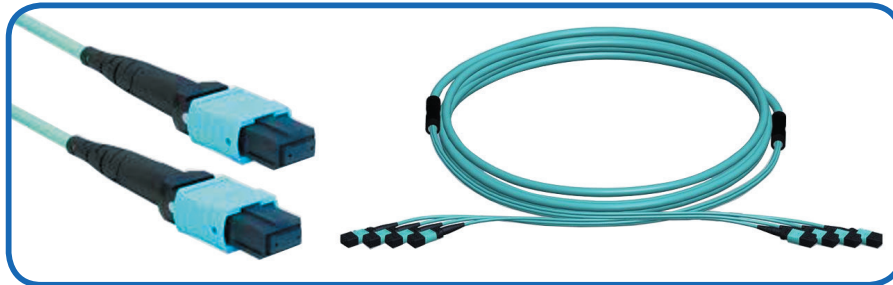
Transmission Performace:

Fiber type		OS2 (9/125um)				
		1310nm	1550nm	1310nm	1550nm	
Attenuation (dB/km)	Typical	0.36	0.22	0.36	0.22	
	Maximum	0.5	0.4	0.5	0.4	
Macro-bend induced attenuation (@1550nm)		G657A2			G652D	
	Radius (mm)	7.5	10	15	16	25
	Number of turns	1	1	10	1	100
	Max. at 1550 nm (dB)	≤0.5dB	≤0.1dB	≤0.03dB	≤0.05dB	≤0.05dB

P/N	Description	Std Pkg Qty
2101-01028	Indoor SM, G657A2, 2C, LSZH Jacket, White	500m/reel
2101-01029	Indoor SM, G657A2, 4C, LSZH Jacket, White	500m/reel
2103-01049	Outdoor SM, G652D, 2C, LSZH Jacket, Black, Steel wire	500m/reel
2103-01050	Outdoor SM, G652D, 4C, LSZH Jacket, Black, Steel wire	500m/reel

MPO Trunk Cables

The DINTEK MPO cabling system is ideally suited for a high density environment that demands space saving cable density and innovative cable management solutions. Simply install the MPO trunk cable within the building and connect to the rear of a MPO patch panel or fan-Out.



Feature:

- Fiber count 48 & 96
- Cable terminated with low loss 12 fiber MPO female / male connectors
- In OM3 and OS2 design with LSZH sheath
- Available in lengths from 10 up to 500 m
- Allow smaller bending radius of cable, and the cable can be coiled into smaller cycles
- Support the delay instruction of 10G transmission;
- Each Trunk cable-end is installed with protection & pulling sleeves for crush-resistant

Standard Compliance:

- Low smoke (IEC 61034)
- Halogen free (IEC 60754-1)
- Fire retardant (IEC 60332-3)
- Corrosion resistant (IEC 60754-2)

P/N	Description
2104-22003	MPO female to MPO female patch cord; 48 fiber; OM3 10 Gb/s; 50 meters; Aqua
2104-22004	MPO female to MPO female patch cord; 96 fiber; OM3 10 Gb/s; 50 meters; Aqua
2104-22007	MPO female to MPO male patch cord; 48 fiber; OM3 10 Gb/s; 50 meters; Aqua
2104-22008	MPO female to MPO male patch cord; 96 fiber; OM3 10 Gb/s; 50 meters; Aqua
2104-22011	MPO female to MPO female patch cord; 48 fiber; OS2; 50 meters; Yellow
2104-22012	MPO female to MPO female patch cord; 96 fiber; OS2; 50 meters; Yellow
2104-22015	MPO female to MPO male patch cord; 48 fiber; OS2; 50 meters; Yellow
2104-22016	MPO female to MPO male patch cord; 96 fiber; OS2; 50 meters; Yellow

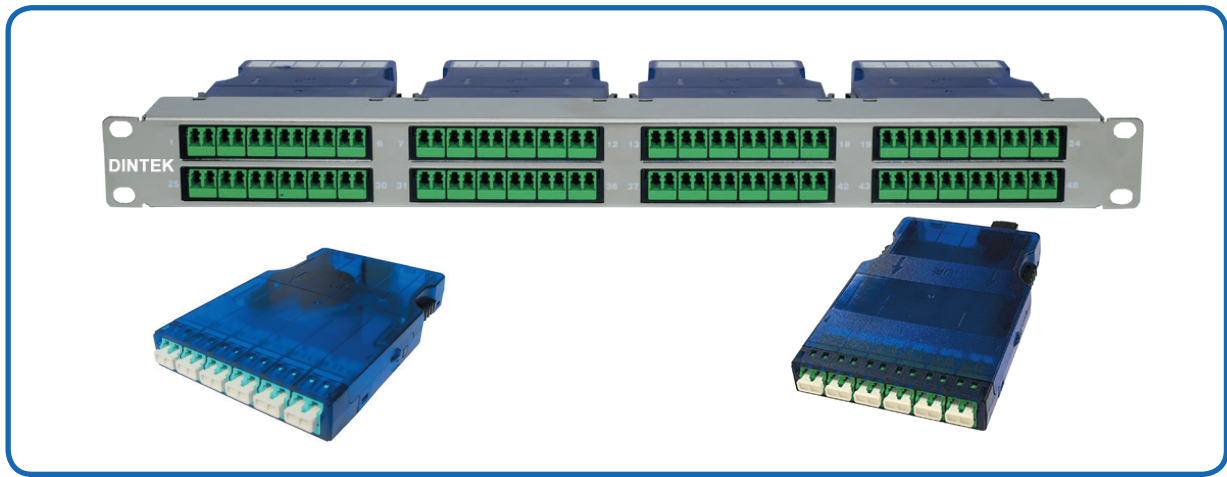
→ Other fiber counts & lengths are available upon request

MPO to LC Preterminated Cassette

Plug-and-play preterminated and pretested cassette with either 1 or 2 MPO trunk connections (1 x 12 or 2 x 12 fibers) at rear and 6 or 12 duplex LC connectors in the front. They are 100% factory testing and no need for field terminations or splices.

Feature:

- Easy installation, moves, adds and changes
- Fits in 19" fiber optic enclosures and panels.
- Emerging 40 and 100Gbps Protocols compatible
- The plastic shell with high strength protect the inner fibers effectively
- Dimension: Height x Width x Depth(mm) : 28 x 138 x 160
- 100% in-house tested



P/N	Description
2111-01036	MPO Fiber Optic Cassette, 1 x MPO to 6 x LC Duplex (12 fiber); OM3 10 Gb/s
2111-01011	MPO Fiber Optic Cassette, 1 x MPO to 6 x LC Duplex (12 fiber); OS2

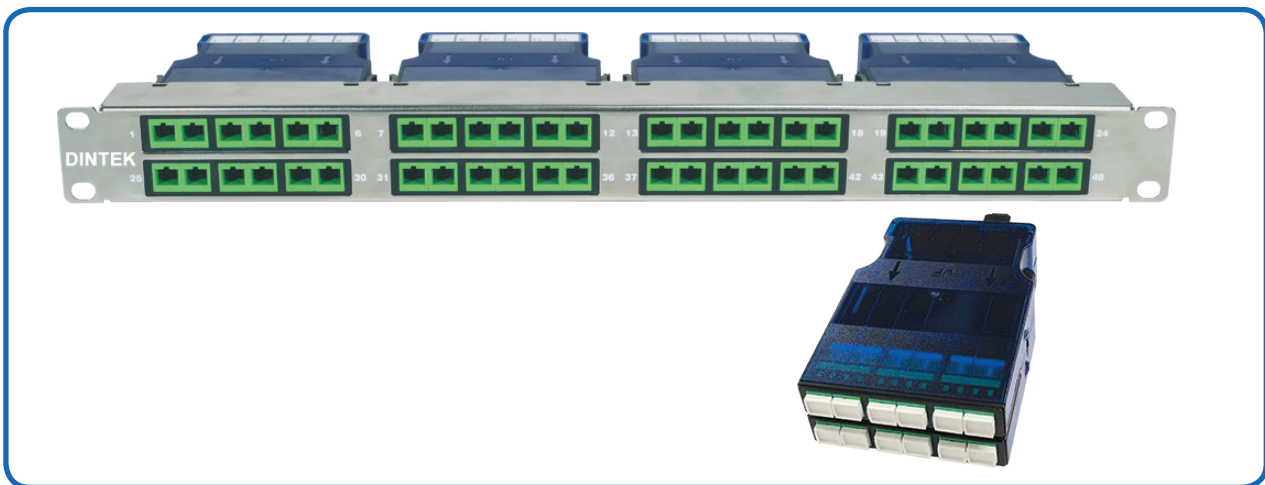
- Other connector types in the front and other fiber types like OM1 and OM2 are available on request

MPO to SC Preterminated Cassette

Plug-and-play preterminated and pretested cassette with 1 MPO trunk connection (1 x 12 fibers) at rear and 12 simplex SC connectors in the front. They are 100% factory testing and no need for field terminations or splices.

Feature:

- Easy installation, moves, adds and changes
- Fits in 19" fiber optic enclosures and panels.
- Emerging 40 and 100Gbps Protocols compatible
- The plastic shell with high strength protect the inner fibers effectively
- Dimension: Height x Width x Depth(mm) : 28 x 138 x 160
- 100% in-house tested



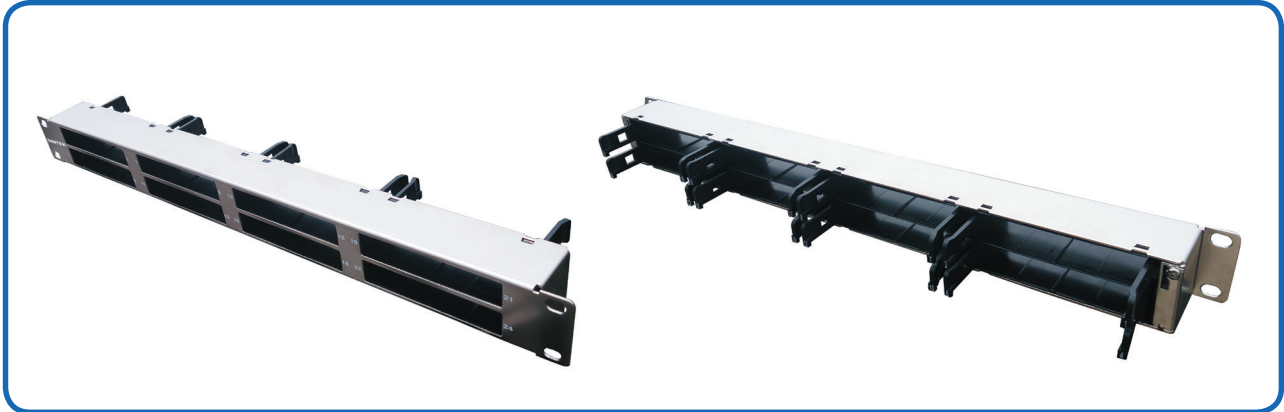
P/N	Description
2111-02031	MPO Fiber Optic Cassette, 1 x MPO to 12 x SC Simplex (12 fiber); OM3 10 Gb/s
2111-02011	MPO Fiber Optic Cassette, 1 x MPO to 12 x SC Simplex (12 fiber); OS2

- Other connector types in the front and other fiber types like OM1 and OM2 are available on request

19" 1U Cassette Panel

Feature:

- Fits in 4 or 8 MPO Fiber Optic Cassettes
- Easy installation, moves, adds and changes



P/N	Description	Std Pkg Qty
2201-04001	19" 1U Panel for 4 MPO Fiber Optic Cassettes (MPO Fiber Optic Cassette ordered separately)	1
2201-08001	19" 1U Panel for 8 MPO Fiber Optic Cassettes (MPO Fiber Optic Cassette ordered separately)	1

MPO Patch Cords

- Construction suited to inter-cabinet patching
- Cable performance: OM3 or OS2; LSZH
- Insertion loss per connection: 0.30dB typical; 0.60dB maximum for multi-mode
0.35dB typical; 0.75dB maximum for single-mode
- Terminated with male and/or female MPO connectors
- Available in different lengths

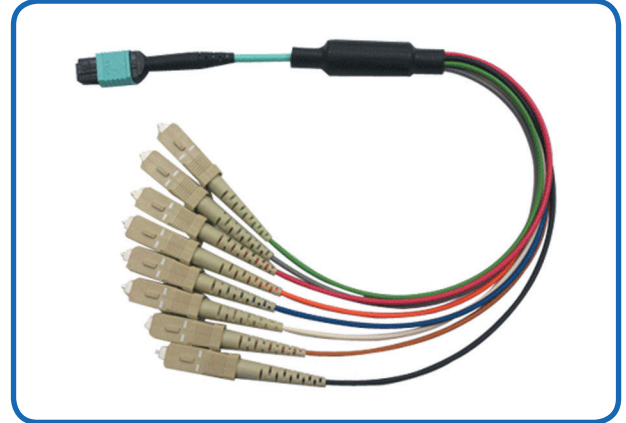
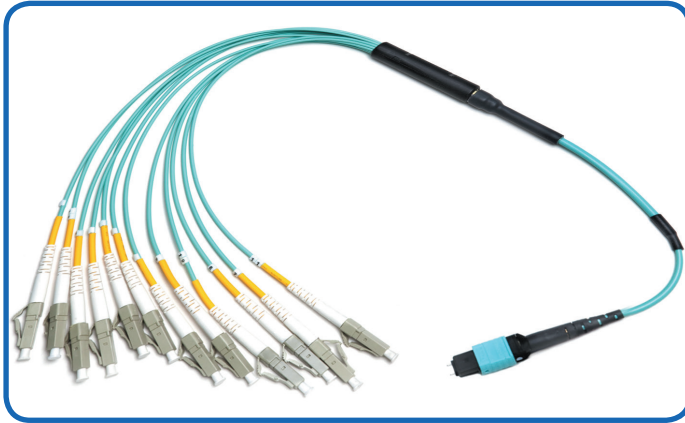


P/N	Description
2104-22017	MPO female to MPO female patch cord; 12 fiber; OM3 10 Gb/s; 2m; Aqua
2104-22018	MPO female to MPO female patch cord; 12 fiber; OM3 10 Gb/s; 3m; Aqua
2104-22019	MPO female to MPO female patch cord; 12 fiber; OM3 10 Gb/s; 5m; Aqua
2104-22020	MPO female to MPO female patch cord; 12 fiber; OM3 10 Gb/s; 10m; Aqua
2104-22021	MPO female to MPO male patch cord; 12 fiber; OM3 10 Gb/s; 2m; Aqua
2104-22022	MPO female to MPO male patch cord; 12 fiber; OM3 10 Gb/s; 3m; Aqua
2104-22023	MPO female to MPO male patch cord; 12 fiber; OM3 10 Gb/s; 5m; Aqua
2104-22024	MPO female to MPO male patch cord; 12 fiber; OM3 10 Gb/s; 10m; Aqua
2104-22025	MPO female to MPO female patch cord; 12 fiber; OS2; 2m; Yellow
2104-22026	MPO female to MPO female patch cord; 12 fiber; OS2; 3m; Yellow
2104-22027	MPO female to MPO female patch cord; 12 fiber; OS2; 5m; Yellow
2104-22028	MPO female to MPO female patch cord; 12 fiber; OS2; 10m; Yellow
2104-22029	MPO female to MPO male patch cord; 12 fiber; OS2; 2m; Yellow
2104-22030	MPO female to MPO male patch cord; 12 fiber; OS2; 3m; Yellow
2104-22031	MPO female to MPO male patch cord; 12 fiber; OS2; 5m; Yellow
2104-22032	MPO female to MPO male patch cord; 12 fiber; OS2; 10m; Yellow

- Other lengths are available upon request

MPO Fan-Out Cable Assemblies

This pre-terminated cable used to make the transition from an MPO connector to 12 individual LC or SC connectors. Both the MPO side and fanout connector side use a 3.0mm cable. Connect with trunk cable through with each port of network equipment.



Feature:

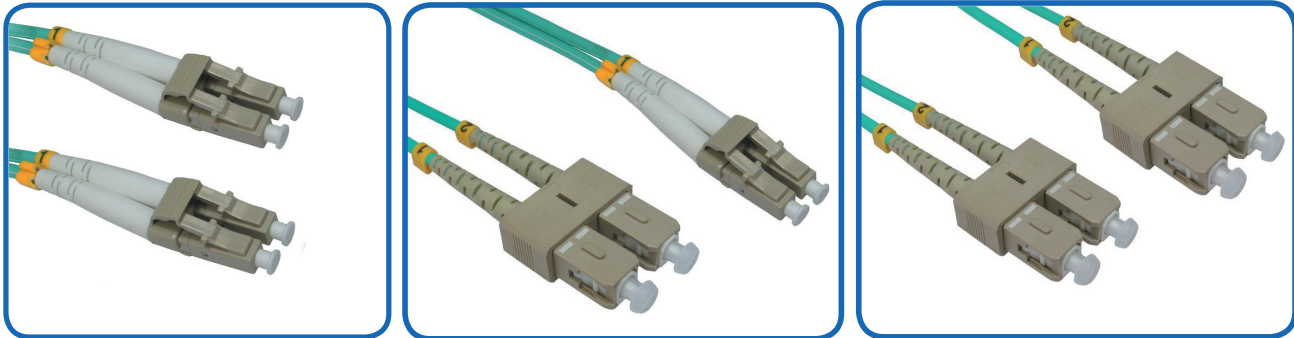
- Fiber count 12~ 144
- Terminated with female or male MPO connectors
- Connect 12 fiber MPO connector to LC or SC
- Insertion loss per MPO connection: 0.30dB typical; 0.60dB maximum for multi-mode
0.35dB typical; 0.75dB maximum for single-mode
- Insertion loss per LC or SC connection: 0.10dB typical; 0.30dB maximum
- In OM3 and OS2 design with LSZH sheath
- Other connector types and other fiber types are available on request

P/N	Description
2104-20008	1 x MPO female to 12 x LC Simplex; OM3 10 Gb/s; 10 meters; Aqua
2104-20009	1 x MPO female to 12 x LC Simplex; OS2; 10 meters; Yellow
2104-20010	1 x MPO male to 12 x LC Simplex; OM3 10 Gb/s; 10 meters; Aqua
2104-20011	1 x MPO male to 12 x LC Simplex; OS2; 10 meters; Yellow
2104-21002	1 x MPO female to 12 x SC Simplex; OM3 10 Gb/s; 10 meters; Aqua
2104-21003	1 x MPO female to 12 x SC Simplex; OS2; 10 meters; Yellow
2104-21004	1 x MPO male to 12 x SC Simplex; OM3 10 Gb/s; 10 meters; Aqua
2104-21005	1 x MPO male to 12 x SC Simplex; OS2; 10 meters; Yellow

→ Other fiber counts & lengths are available upon request

OM3/OM4 Patch Cords

- All assemblies are machine polished providing highest quality.
- Multimode 50/125um 10G OM3 and 10G+ OM4 fiber optic cables.
- Insertion loss per connection: 0.10dB typical; 0.30dB maximum.
- Patch cords are tested to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters (OM3)/550 meters (OM4) with an 850nm source per IEEE 802.3ae 10 GbE standard.

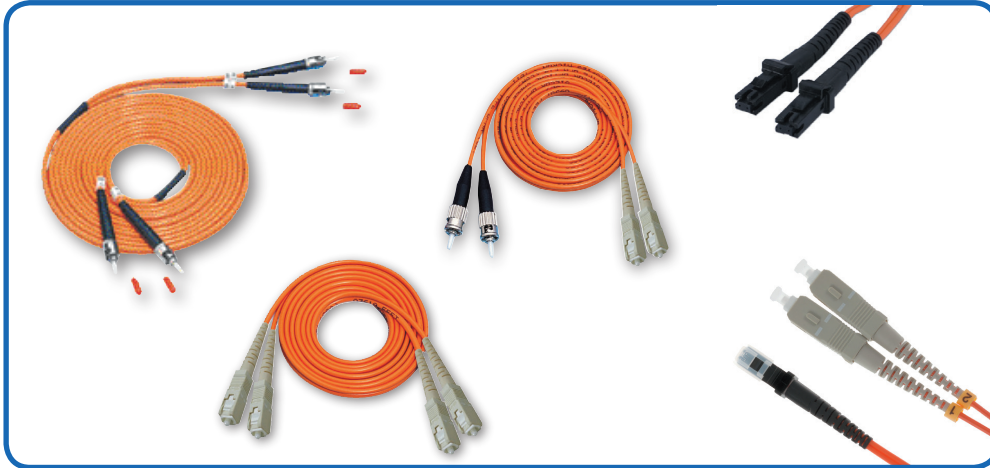


P/N	Description	Std Pkg Qty
2104-07401	LC/LC Duplex Patch cord; 10G+ OM4; 1m; Aqua	10
2104-07403	LC/LC Duplex Patch cord; 10G+ OM4; 3m; Aqua	10
2104-07405	LC/LC Duplex Patch cord; 10G+ OM4; 5m; Aqua	10
2104-07039	LC/LC Duplex Patch cord; 10G OM3; 1m; Aqua	10
2104-07071	LC/LC Duplex Patch cord; 10G OM3; 3m; Aqua	10
2104-07079	LC/LC Duplex Patch cord; 10G OM3; 5m; Aqua	10
2104-15401	LC/SC Duplex Patch cord; 10G+ OM4; 1m; Aqua	10
2104-15403	LC/SC Duplex Patch cord; 10G+ OM4; 3m; Aqua	10
2104-15405	LC/SC Duplex Patch cord; 10G+ OM4; 5m; Aqua	10
2104-15040	LC/SC Duplex Patch cord; 10G OM3; 1m; Aqua	10
2104-15039	LC/SC Duplex Patch cord; 10G OM3; 3m; Aqua	10
2104-15058	LC/SC Duplex Patch cord; 10G OM3; 5m; Aqua	10
2104-03401	SC/SC Duplex Patch cord; 10G+ OM4; 1m; Aqua	10
2104-03403	SC/SC Duplex Patch cord; 10G+ OM4; 3m; Aqua	10
2104-03405	SC/SC Duplex Patch cord; 10G+ OM4; 5m; Aqua	10
2104-03064	SC/SC Duplex Patch cord; 10G OM3; 1m; Aqua	10
2104-03052	SC/SC Duplex Patch cord; 10G OM3; 3m; Aqua	10
2104-03062	SC/SC Duplex Patch cord; 10G OM3; 5m; Aqua	10

→ Other lengths are available upon request

OM1/OM2 Patch Cords

- ST, SC and LC variants
- Multimode 50/125um OM2 and 62.5/125um OM1 fiber optic cables
- Pass all TIA/EIA-568-B.3 performance requirements
- Insertion loss per connection: 0.10dB typical; 0.30dB maximum
- Factory terminated and 100% tested for insertion loss

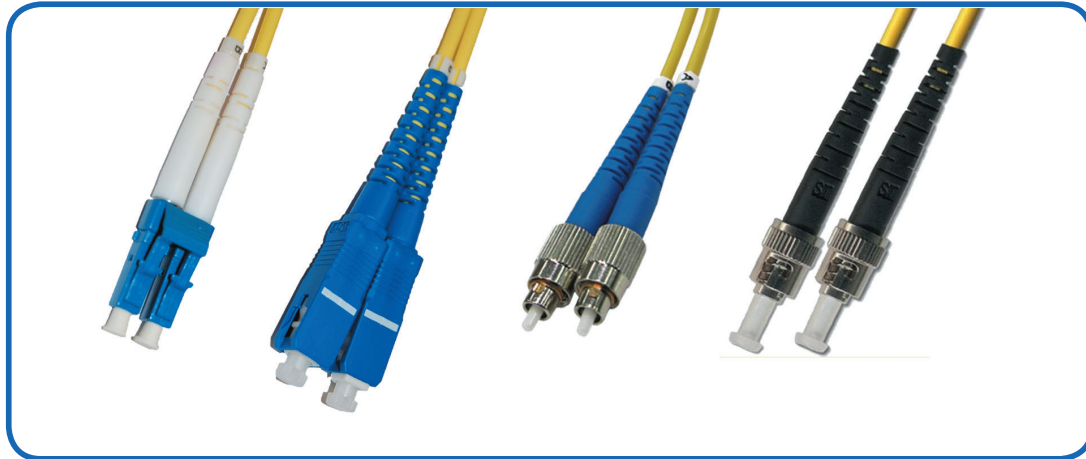


P/N	Description	Std Pkg Qty
2104-07002	LC/LC Duplex Patch cord; OM1; 3m; Orange	10
2104-15005	LC/SC Duplex Patch cord; OM1; 3m; Orange	10
2104-03008	SC/SC Duplex Patch cord; OM1; 3m; Orange	10
2104-02004	SC/ST Duplex Patch cord; OM1; 3m; Orange	10
2104-01008	ST/ST Duplex Patch cord; OM1; 3m; Orange	10
2104-07019	LC/LC Duplex Patch cord; OM2; 3m; Orange	10
2104-15001	LC/SC Duplex Patch cord; OM2; 3m; Orange	10
2104-02018	SC/ST Duplex Patch cord; OM2; 3m; Orange	10
2104-01017	ST/ST Duplex Patch cord; OM2; 3m; Orange	10
2104-06003	MT-RJ/MT-RJ Duplex Patch cord; OM2; 3m; Orange	10
2104-12004	MT-RJ/SC Duplex Patch cord; OM2; 3m; Orange	10
2104-03021	SC/SC Duplex Patch cord; OM2; 3m; Orange	10

→ Other lengths are available upon request

OS2 Patch Cords

- Singlemode 9/125um OS2 fiber optic cables.
- ST, SC, FC and LC variants
- 100% factory IL& End face inspected, compliance with Telcordia GR-326-CORE
- Insertion Loss (dB): ≤ 0.30 (single-mode)
- Return Loss (dB): ≥ 55 (single-mode)

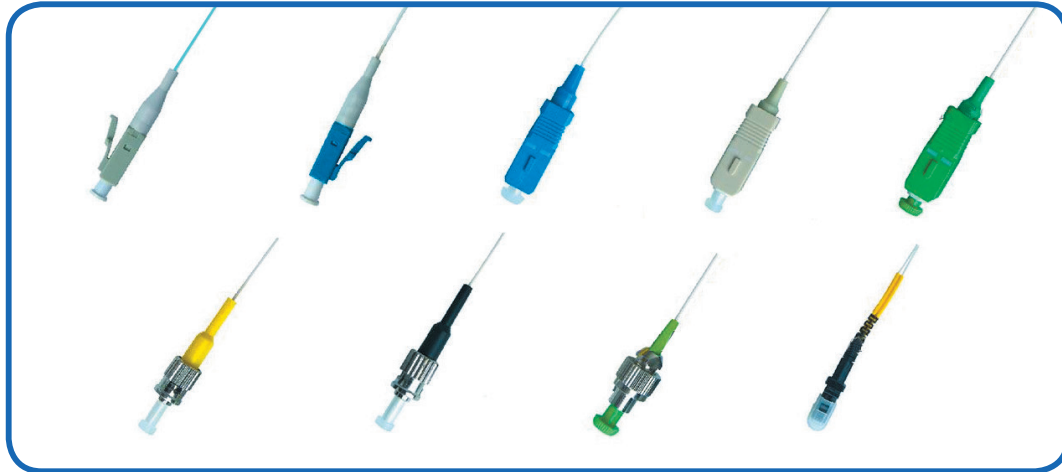


P/N	Description	Std Pkg Qty
2104-05004	FC/FC Duplex Patch cord; OS2; 3m; Yellow	10
2104-19002	FC/LC Duplex Patch cord; OS2; 3m; Yellow	10
2104-04005	FC/SC Duplex Patch cord; OS2; 3m; Yellow	10
2104-07003	LC/LC Duplex Patch cord; OS2; 3m; Yellow	10
2104-15009	LC/SC Duplex Patch cord; OS2; 3m; Yellow	10
2104-17006	LC/ST Duplex Patch cord; OS2; 3m; Yellow	10
2104-03002	SC/SC Duplex Patch cord; OS2; 3m; Yellow	10
2104-02009	SC/ST Duplex Patch cord; OS2; 3m; Yellow	10
2104-01002	ST/ST Duplex Patch cord; OS2; 3m; Yellow	10

→ Other lengths are available upon request

Pigtails

- 9/125um OS2, 50/125um OM2/3/4 & 62.5/125um OM1 fiber optic cables.
- 100% factory IL& End face inspected, compliance with Telcordia GR-326-CORE
- Insertion Loss (dB): <=0.30 (single-mode), <=0.30 (multi-mode)
- Return Loss (dB): >=55 (single-mode), >=35 (multi-mode)



P/N	Description	Std Pkg Qty	Std Ctn Qty
2105-01001	ST 900um Pigtail; OS2; 1m; White	10	300
2105-02002	SC 900um Pigtail; OS2; 1m; White	10	300
2105-03001	FC 900um Pigtail; OS2; 1m; White	10	300
2105-07002	LC 900um Pigtail; OS2; 1m; White	10	300
2105-01002	ST 900um Pigtail; OM2; 1m; White	10	300
2105-02005	SC 900um Pigtail; OM2; 1m; White	10	300
2105-03002	FC 900um Pigtail; OM2; 1m; White	10	300
2105-07004	LC 900um Pigtail; OM2; 1m; White	10	300
2105-01008	ST 900um Pigtail; OM3; 1m; Aqua	10	300
2105-02014	SC 900um Pigtail; OM3; 1m; Aqua	10	300
2105-07007	LC 900um Pigtail; OM3; 1m; Aqua	10	300
2105-02401	SC 900um Pigtail; OM4; 1m; Aqua	10	300
2105-07401	LC 900um Pigtail; OM4; 1m; Aqua	10	300

→ Other lengths are available upon request

Fiber Optic Connectors

→ For connecting fiber links, choose from simplex or duplex, multi-mode or single-mode and so on.

Performance specifications:

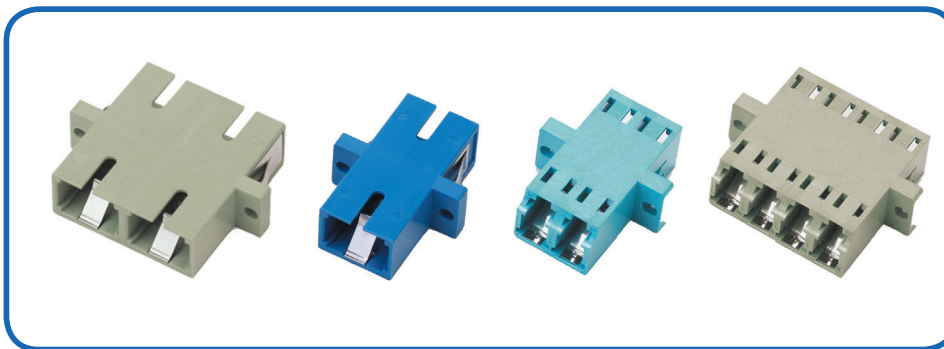
→ Insertion Loss (dB): ≤ 0.30 (single-mode), ≤ 0.30 (multi-mode)

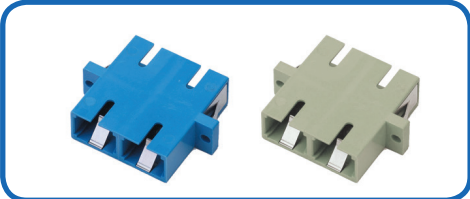
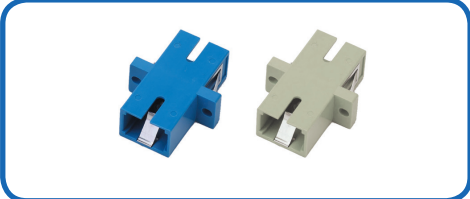
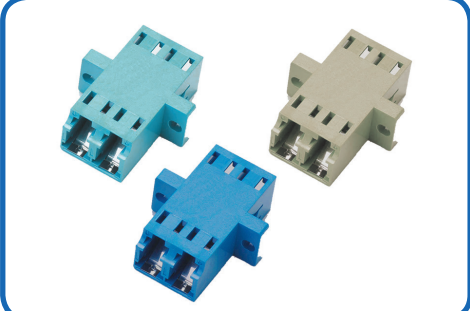
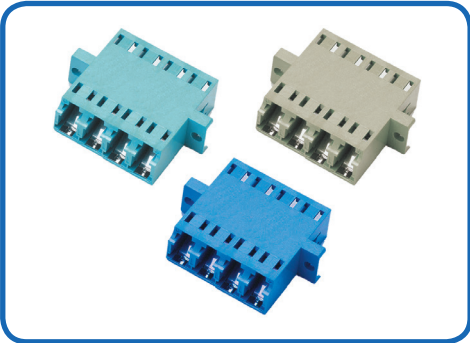
→ Return Loss (dB): ≥ 55 (single-mode), ≥ 35 (multi-mode)

P/N	Description	Std Pkg Qty	Std Ctn Qty	
2107-07005	LC duplex type coupling receptacle, Multi-Mode	200	1200	
2107-07004	LC duplex type coupling receptacle, Single-Mode	200	1200	
2107-03005	SC duplex type coupling receptacle, Multi-Mode	150	900	
2107-03003	SC duplex type coupling receptacle, Single-Mode	150	900	
2107-01003	ST coupling receptacle	250	1500	
2107-05004	FC coupling receptacle MM,round flange (D-type) type.	250	1500	
2106-01002	ST connector, multi-mode,for cable O.D:3.0mm	50	500	
2106-01003	ST connector, multi-mode,for cable O.D:0.9mm	50	500	
2106-01004	ST connector, single-mode,for cable O.D:3.0mm	50	500	
2106-02001	SC connector, single-mode, for cable O.D.:3.0mm	50	500	
2106-02002	SC connector, multi-mode, for cable O.D.:3.0mm	50	500	
2106-03001	FC connector, single-mode,for cable O.D:3.0mm	50	500	
2106-03002	FC connector, multi-mode,for cable O.D:3.0mm	50	500	
2106-03003	FC connector, multi-mode,for cable O.D:0.9mm	50	500	

Fiber Optic Coupler with Internal Shutter

- Internal shutter design for eye protection when connecting fiber
- Shield harmful light and provide a guard against debris such as dust and dirt




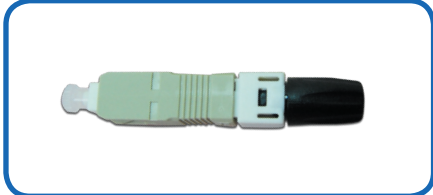
P/N	Description	Std Pkg Qty	Std Ctn Qty	
2107-03202	SC duplex type coupling receptacle with flange, MM	150	900	
2107-03102	SC duplex type coupling receptacle with flange, SM	150	900	
2107-03201	SC simplex type coupling receptacle with flange, MM	200	1200	
2107-03101	SC simplex type coupling receptacle with flange, SM	200	1200	
2107-07202	LC duplex type coupling receptacle with flange, OM2	200	1200	
2107-07302	LC duplex type coupling receptacle with flange, OM3	200	1200	
2107-07102	LC duplex type coupling receptacle with flange, SM	200	1200	
2107-07204	LC Quad type coupling receptacle with flange, OM2	150	900	
2107-07304	LC Quad type coupling receptacle with flange, OM3	150	900	
2107-07104	LC Quad type coupling receptacle with flange, SM	150	900	

ezi-Fiber Quick Assembly Connectors


DINTEK's quick-connect ezi-FIBER™ can be used either for outside plant or premise cabling. The ezi-FIBER™ quick assembly connector is an easy-to-install device. No tool or jig is required.

It is universal for 250um / 900um / 2.0mm / 3.0mm / Flat Cable. This product was designed for fast termination with a pre-polished connector. Using V groove technology, it requires no epoxy glue. With a transparent body, the connecting result can be seen by a Fiber Checker immediately.




P/N	Description	Std Pkg Qty	Std Ctn Qty	
2106-02005	Quick Assembly connector SC type, Single-Mode, 9/ 125um	100	1000	
2106-02013	Quick Assembly connector SC type, Multi-Mode, 50/ 125um	100	1000	

1.



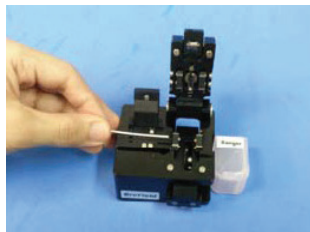
Take off dust cap and clean the connector. Then, insert it into Fiber Checker.

2.




Apply boot. Then, strip cable to correct lengths as stated on packaging.

3.



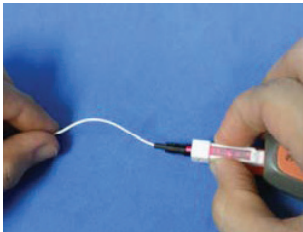
After stripping fiber, cleave the fiber to a 12.5mm

4.




Insert the tube & fiber to the body. With Fiber checker, and tune the fiber until light is weak.

5.




Form a curve on the fiber. Take off "Release Key". Fully depress both buttons on the body while fiber is curving.

6.



7.

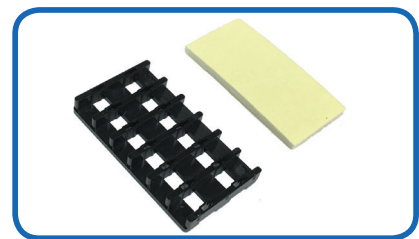
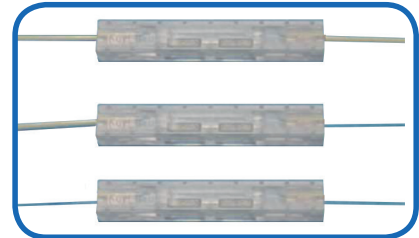


ezi-Fiber Mechanical Splice

Using V groove technology, it requires no epoxy. With transparent body, the splice result can be seen by Fiber Checker immediately. It has mean insertion loss 0.1dB and installation time of 30 seconds. This is an ideal solution, either for outside plant or inside a building.

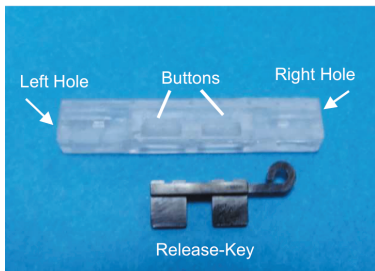


P/N	Description	Std Pkg Qty	Std Ctn Qty
6100-00012	Mechanical Splice Fiber Size both 250 and 900um	100	1000
2205-02004	Mechanical Splice Holder 6 slots with sticker	10	-

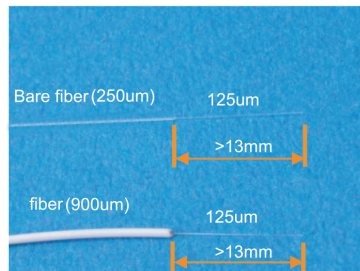


User's Manual

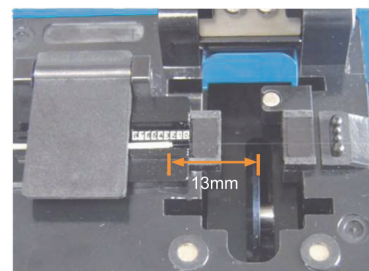
Mechanical Splice (for 250/250, 250/900, 900/900um)



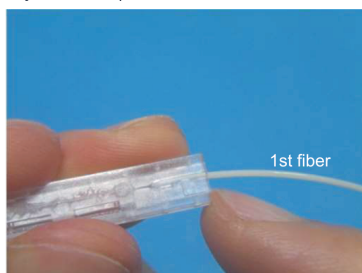
Parts information.
(Before use, make sure Buttons are fully released.)



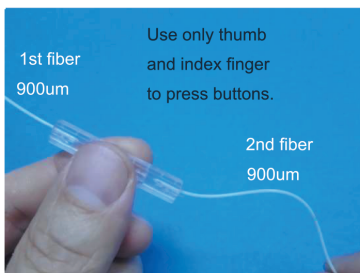
1. Prepare fibers as the dimension shown above. Strip and clean them.



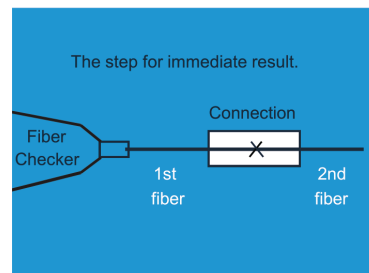
2. Cleave the fibers to 13mm.



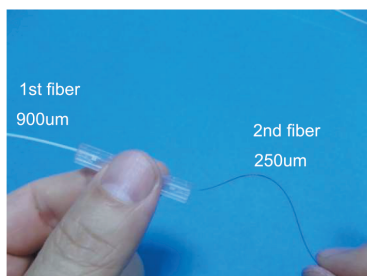
3. Insert 1st fiber to its Left Hole.



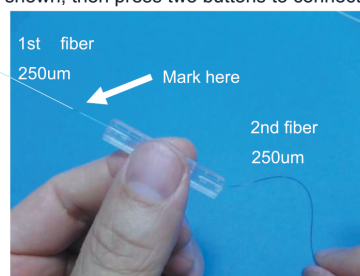
4. Insert 2nd fiber to its Right Hole until it meets 1st fiber. Form a small curve as shown, then press two buttons to connect



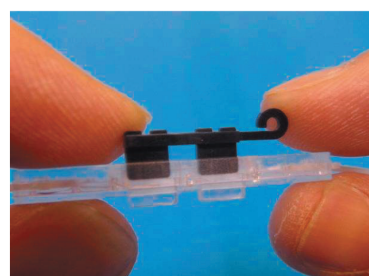
Connect with fiber checker to check its loss. (This step is strongly recommended for a good connection.)



Connect bare fiber and 900um fiber. It will be easy to insert and secure 900um fiber first, then bare fiber.




Connect bare fiber and bare fiber. It will be easier to see the movement of fiber by marking the 1st fiber as shown.



How to re-use?
It can be done by releasing its Buttons.

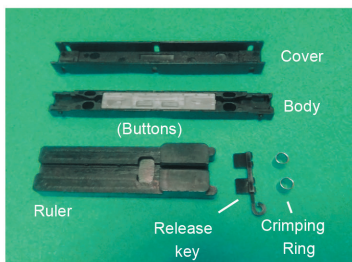
Mechanical Splice with Protect Cover

P/N	Description	Std Pkg Qty
6100-00050	Mechanical Splice with Protect Cover For all types of cables	50

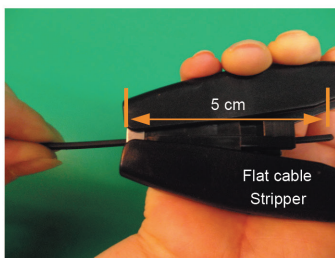


User's Manual

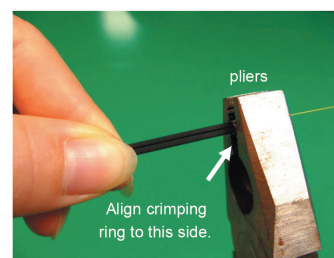
Mechanical Splice, cable use for all types of cables



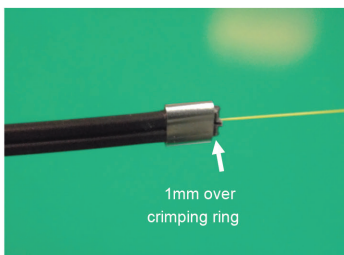
Parts information.
(Before use, make sure Buttons are fully released.)



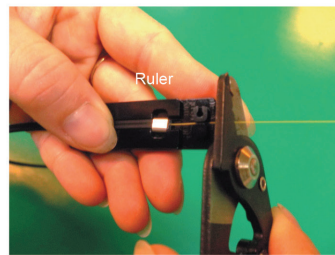
1. Strip flat cable to have bare fiber of 5cm long.



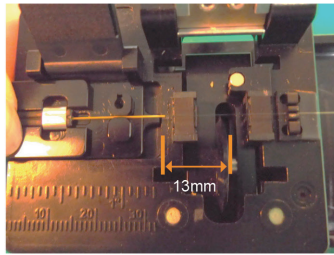
2. Wear crimping ring. Clamp it with cable by pliers.



3. Appearance of clamped crimping ring.



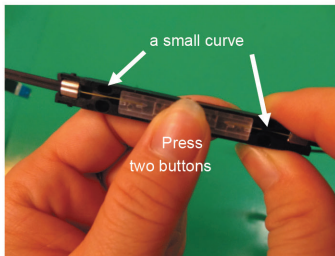
4. Load Ruler with flat cable. Strip bare fiber and clean it. Perform bending test of fiber.



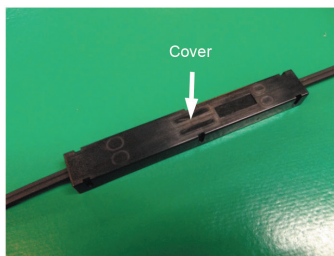
5. Load the ruler on Cleaver to cleave the bare fiber as 13mm.



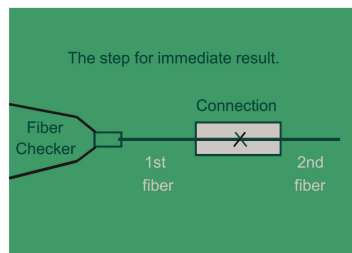
6. Insert 1st fiber to its left hole. Then, insert 2nd fiber to its right hole.



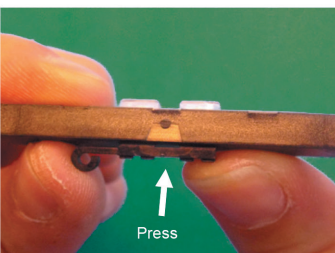
7. Both fibers should form a small curve as shown, then press two buttons to connect both fibers.



8. Lock the body by its cover to protect both connected fibers.



Connect with fiber checker to check its loss. (This step is strongly recommended for a good connection.)



How to re-use?
It can be done by releasing its Buttons.

ezi-Fiber Install Tools

P/N	Description	Std Pkg Qty
6100-00011	Fiber Checker ↳ Check fiber faults by using 650 nm visual red laser ↳ Range: visibility up to 5 km ↳ Compatible to SC/ST/FC/LC connectors ↳ Operates with both SM and MM cables ↳ Dustproof cap keeps fiber connectors clean ↳ Powered by two AAA-size alkaline batteries ↳ LED indicator for Power On, Battery Low alerts	1
6100-00010	Fiber Stripper (0.25/0.9/3.0) ↳ 1st V groove for 3.0mm fiber ↳ 2nd V groove for 0.9mm fiber ↳ 3rd V groove for Bare fiber	1
		
6100-00030	Fiber Stripper (0.25/0.9/3.0) ↳ 1st V groove for 3.0mm fiber ↳ 2nd V groove for 0.9mm fiber ↳ 3rd V groove for Bare fiber Length: 162mm Weight: 118g	1
6100-00017	Stripper for Flat-Cable Jacket	1
		
6100-00009	Kevlar Scissors	1
6100-00020	Head Lamp	1

High Precision Fiber Cleaver

P/N	Description
6100-00013	<p>Application fibers: Silica Optical Fiber Cleaving angle: $\leq 0.5^\circ$ @ Single Fiber Blade life: 48000 Times Blade positions: 16 Rotating Positions Size: 101(L) * 59 (W) * 65 (H) mm Weight: 300g</p>

1. Manual of High Precision Fiber Cleaver

-
- Details of cleaver.
1. Take off Disposal Box and open cover1 & cover2.
 2. Load V-groove with fiber.
 3. Use its ruler to set the desired length.
 4. Close cover1 & cover2.
 5. Push slider forwards or backwards to cut the loaded fiber.
 6. Open cover1 & cover2 for the cleaved fiber.
 7. Keep useless fiber into disposal box to avoid danger.

2. Change a new position of blade for longer use

1. Use Allen Wrench to release its screw.
2. Rotate blade from an old point to a new point. Secure blade by fasten its screw.

ezi-FIBER Quick Install Kit

The DINTEK ezi-FIBER™ Quick Install Kit contains the essential tools needed for quick field termination of fibers in conjunction with the ezi-Fiber™ Mechanical Splices and Quick Assembly Connectors.

P/N	Description	Std Pkg Qty
6100-00008	High Precision Fiber Cleaver, NB x 1 Fiber Stripper (0.25/0.9/3.0) x 1 Kevlar Scissors x 1 Stripper for Flat-Cable Jacket x 1 Alcohol Bottle x 1 Wiper x 1 Head Light x 1 Mechanical Splice Holder (6 positions) x 2 Fiber Mechanical Splice, Universal, G1 x 10 Fiber Checker/patchcord/2.50 sleeve x 1 SC Connector, 0.25/0.9/2.0/3.0mm fiber, 50/125MM x10 Ruler for flat cable x 1 Allen Wrench x 1 A3 Battery for Fiber Checker x 5 Release Key (for splice) x 2 L:39 x W:30.5 x H:14.7cm, Weight: 3.1 kg	1



Wall Mount Fiber Optic Enclosure

- Accepts up to 12/24 ports in either SC, ST or LC configuration
- Metal cabinet construction with optimized design for field connectorization
- Splice tray holder allows easy cable routing and is designed to make field splicing easier

P/N	Description	Std Ctn Qty	
2202-12024	Accepts up to 2 pcs of 6 ports duplex SC panel, with splice tray& holder Dimension L*W*D: 280*280*80mm Weight: 2.2kg	5	
2202-24004	Accepts up to 2 pcs of 12 ports duplex LC panel, with splice tray& holder Dimension L*W*D: 280*280*80mm Weight: 2.2kg	5	
2202-24001	Accepts up to 2 pcs of 12 ports ST panel, with splice tray& holder Dimension L*W*D: 280*280*80mm Weight: 2.2kg	5	
2202-12007	Accepts up to 1 pc of 6 ports duplex SC panel, with splice tray& holder Dimension L*W*D: 290*255*60mm Weight: 2.0kg	6	
2202-12006	Accepts up to 1 pc of 12 ports ST panel, with splice tray& holder Dimension L*W*D: 290*255*60mm Weight: 2.0kg	6	
2206-00001	Fusion splice protector sleeve	12/bag	

19" Fiber Optic Rack Mount Enclosure

- Both fixed and sliding type, can be mounted on 19" EIA racks
- Each enclosure features front and rear removable metal covers for quick and easy installation and maintenance.



P/N	Description	Std Ctn Qty	
2201-24060	Fixed type, 1U, accepts up to 2 pcs of 6 ports duplex SC panel, with splice tray& holder	4	
2201-24077	Fixed type, 1U, accepts up to 2 pcs of 12 ports duplex LC panel, with splice tray& holder	4	
2201-24078	Fixed type, 1U, accepts up to 2 pcs of 12 ports ST panel, with splice tray& holder	4	
2201-24059	Sliding type, 1U, accepts up to 2 pcs of 6 ports duplex SC panel, with splice tray& holder	4	
2201-24063	Sliding type, 1U, accepts up to 2 pcs of 12 ports duplex LC panel, with splice tray& holder	4	
2201-24064	Sliding type, 1U, accepts up to 2 pcs of 12 ports ST panel, with splice tray& holder	4	
2201-48012	Fixed type, 2U, accepts up to 4 pcs of 6 ports duplex SC panel, with splice tray& holder	2	
2201-48015	Fixed type, 2U, accepts up to 4 pcs of 12 ports duplex LC panel, with splice tray& holder	2	
2201-48016	Fixed type, 2U, accepts up to 4 pcs of 12 ports ST panel, with splice tray& holder	2	
2201-48017	Sliding type, 2U, accepts up to 4 pcs of 6 ports duplex SC panel, with splice tray& holder	2	
2201-48011	Sliding type, 2U, accepts up to 4 pcs of 12 ports duplex LC panel, with splice tray& holder	2	
2201-48018	Sliding type, 2U, accepts up to 4 pcs of 12 ports ST panel, with splice tray& holder	2	

Fiber Optic Distribution Box- 2, 4 cores

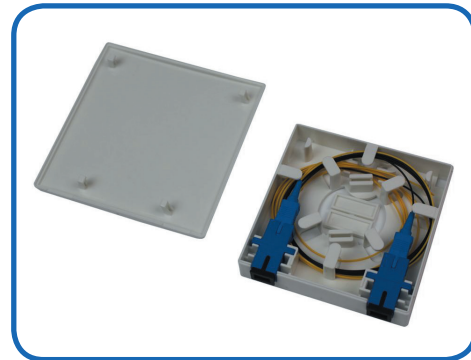
This mini style distribution box is widely applied in the FTTX network to connect drop cable and ONU devices through fiber port. It supports splicing, distribution, mechanical connection and wall mounted installation.

Feature:

- ABS material used ensures the body strong and light
- Easy installations: Mount on wall

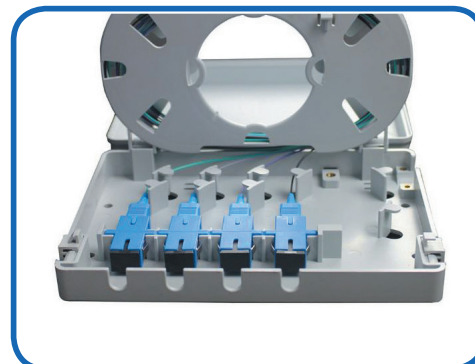
Specifications: 2 cores



- Dimensions (W*H*D): 86mm*86mm*24mm
- Adapter Capacity: 4 fibers with LC adapters or
2 fibers with SC adapters
- Number of Cable Entrance/Exit: Up to 4
- Drop Cable(flat): Indoor flat drop cable 2 x 3mm
- Drop Cable(round): $\Phi 5\text{mm} \sim \Phi 10\text{mm}$
- Curvature Radius: $\geq 15\text{mm}$
- Temperature: $-5^{\circ}\text{C} \sim 60^{\circ}\text{C}$



Specifications: 4 cores

- Dimensions (W*H*D): 152mm*112mm*30mm
- Adapter Capacity: 4 fibers with SC/ FC adapters
- Number of Cable Entrance/Exit: 1/4
- Max diameter of entry cable: 12.2mm
- Weight: 0.154 KG
- Temperature: $-5^{\circ}\text{C} \sim 60^{\circ}\text{C}$



P/N	Description	Std Pkg Qty	
1309-01001	mini style distribution box The capacity of this box can be 1 core, 2 cores and 4 cores. Adoptable adapter: SC, LC	100	
1309-01002	mini style distribution box The capacity of this box can be up to 4 cores. Accommodates 4 fibers with SC / FC adapters	50	

Outdoor Fiber Optic Distribution Box- 4, 8 cores

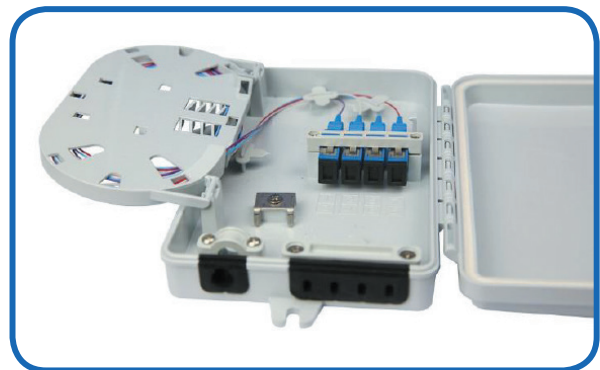
This distribution box is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

Feature:

- PC+ABS material used ensures the body strong and light
- Water-proof, dust-proof, anti-aging
- Protection level up to IP55

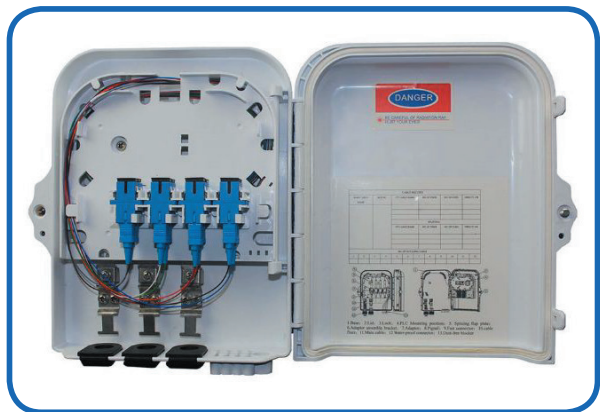
Specifications: 4 cores



- Dimensions (W*H*D): 167mm*102mm*31mm
- Adapter Capacity: SC 2; LC 4; PLC 4
- Number of Cable Entrance/Exit: 1/4
- Life of insertion and extraction: >1000 times
- Weight: 0.32 KG
- Max diameter of entry cable: 9mm
- Temperature: -40°C~60°C



Specifications: 8 cores

- Dimensions (W*H*D): 220mm*205mm*55mm
- Adapter Capacity: 8 PCs
- Number of Cable Entrance/Exit: up to 3 cables
- Life of insertion and extraction: >1000 times
- Weight: 1 KG
- Max diameter of entry cable: 12mm
- Temperature: -40°C~60°C



P/N	Description	Std Pkg Qty	
2203-04021	Outdoor Fiber Optic distribution box 4 cores Adapter Capacity: SC 2; LC 4; PLC 4	1	
2203-08021	Outdoor Fiber Optic distribution box 8 cores terminates up to 3 fiber optic cables Adapter Capacity: 8 PCs	1	

Outdoor Fiber Optic Distribution Box- 16, 24 cores

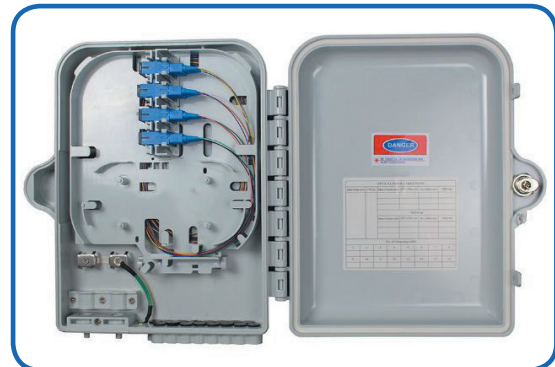
This fiber optics distribution box is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

Feature:

- PC+ABS material used ensures the body strong and light
- Water-proof design for outdoor uses.
- Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution all in one
- Protection level up to IP55(16 cores), IP65(24 cores)

Specifications: 16 cores

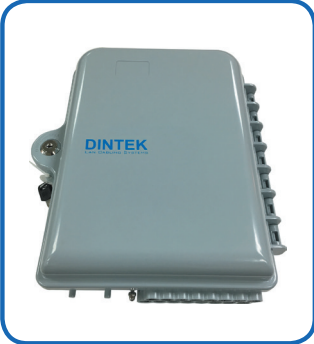
- Dimensions (W*H*D): 300mm*225mm*100mm
- Adapter Capacity: 16 PCs
- Number of Cable Entrance/Exit: up to 2 cables
- Life of insertion and extraction: >1000 times
- Weight: 1.5 KG
- Max diameter of entry cable: 12mm
- Temperature: -40°C~60°C



Specifications: 24 cores

- Dimensions (W*H*D): 317mm*237mm*101mm
- Adapter Capacity: 24 PCs
- Number of Cable Entrance/Exit: up to 3 cables
- Life of insertion and extraction: >1000 times
- Weight: 1 KG
- Max diameter of entry cable: 13mm
- Temperature: -40°C~60°C



P/N	Description	Std Pkg Qty	
2203-16021	Outdoor Fiber Optic distribution box 16 cores terminates up to 2 fiber optic cables Adapter Capacity: 16 PCs	1	
2203-24021	Outdoor Fiber Optic distribution box 24 cores terminates up to 3 fiber optic cables Adapter Capacity: 24 PCs	1	