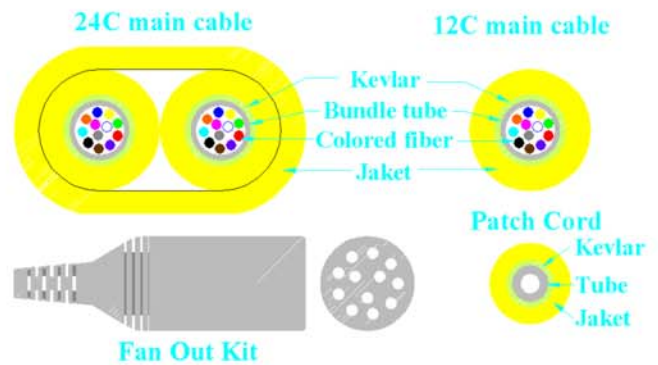
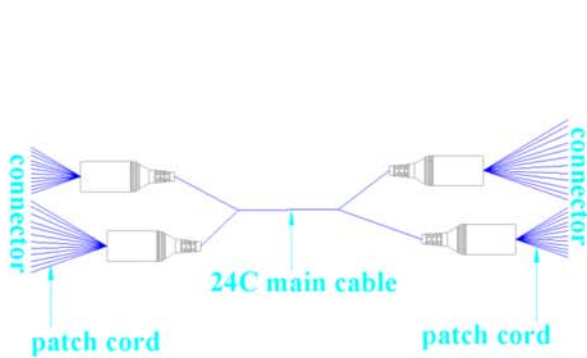


Fixed / Variable - Length IFC (Inter Facility Connective) Optical Cables



Feature

- The concept to clean out the patch cord cables between facilities (patch panel boxes) and to save space and to simplify cabling.
- Congregate 6 to 24 patch cord cables at one main cable and spread out at both side to clean out the cabling arrangement.
- Fix main cable and patch cord cable in fan out kit with high strength member (Kevlar) to provide sufficient tensile strength.
- The length of each patch cord cable is suitable to be fixed or variable.
- The connector's type of patch cord cable is suitable to assign.

Applications

- Telecommunications.
- Data Communications.
- Gigabit Ethernet.
- Optical Access Network.
- SM & MM fiber complied with ITU-T standard G652D, G655, G657A, G651...etc.
- Manufactured and tested by industrial standards which comply with TELECORDIA GR-326-CORE / GR-409-CORE, IEC 60332-1/ IEC 1034/ IEC 745-1s.

Fiber Specification

Singlemode		Multimode		
Fiber Type (µm)	9/125	50/125	62.5/125	OM3-10Gigabit-300M
Core Diameter (µm)	8.3	50±3	62.5±3	50±3
Mode Field Diameter (µm)	9.2±0.4@1310nm 10.4±0.5@1550nm	---	---	---
Cladding Diameter (µm)	125±1	125±2	125±2	125±2
Coating Diameter (µm)	245±15	245±15	245±15	245±15
Coloring Diameters (µm)	250±15	250±15	250±15	250±15
Core Clad Concentricity(µm)	≤0.5	≤3.0	≤3.0	≤3.0
Cladding Non-Circularity(%)	≤1.0	≤2.0	≤2.0	≤2.0
Cable Cutoff Wavelength	≤1260nm	---	---	---
Numerical Aperture	0.13	0.200 ± 0.015	0.275 ± 0.015	0.200 ± 0.015
Tensile proof test (Kpsi)	100	100	100	100

Contact your OSTenp representative for information on specifications and availability.

Description

These cables are composed a bundle tube with 6 or 12 colored fibers (sequence refer to below table) surrounded by Kevlar then encased with PVC or LSZH jacket, both side compose one or two fan out kit to spread out to connect connectors. The length of patch cord cable is suitable to be fixed or variable.

Fiber Coloring Sequence

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Yellow	Green	Red	Violet	White	Brown	Black	Aqua	Orange	Pink	Slate









































































Cable Specification


Fiber Count	Fan Out Kit dimension ,mm	Main Cable Diameter , mm	Bundle Tube Diameter , mm	Patch Cord Diameter , mm	Patch Cord Tube Inner Diameter , mm
6 Fibers	≤ φ 15.5×55	3.0 ± 0.2	1.5 ± 0.1	2.0 ± 0.1	0.48 ~ 0.55
12 Fibers	≤ φ 15.5×55	3.0 ± 0.2	1.5 ± 0.1	2.0 ± 0.1	0.48 ~ 0.55
24 Fibers	≤ φ 15.5×55	7.2±0.4 * 4.1±0.4	1.5 ± 0.1	2.0 ± 0.1	0.48 ~ 0.55
Fiber Type		9/125	50/125	62.5/125	OM3-10Gigabit-300M
Attenuation typical (nm)		1310/1550	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)		0.4/0.35	3.5/1.5	3.5/1.5	3.5/1.5
Typical Attenuation (dB/km)		0.4/0.3	3.0/1.0	3.0/1.0	3.0/1.0
Minimum Bandwidth (MHz · km)		N/A	500/500	160/500	1500/500
Fiber Type		SM		MM	
Connector Type		SC , LC		SC , LC	MPO
Insertion Loss (dB)		< 0.3		< 0.3	< 0.3
Return Loss (dB)		UPC ≥ 50 , APC ≥ 60		---	

Mechanical Properties

		Standard
Maximum Tensile Load - Loaded (N)	45N(at connector) / 200N(at fan out kit)	IEC 60794-1-2 E1
Maximum Tensile Load - Unloaded (N)	30N(at connector) / 100N(at fan out kit)	
Min. bend radius installed (mm)	10 x cable O.D.	IEC 60794-1-2 E11
Min. bend radius long term (mm)	15 x cable O.D.	
Storage Temperature	-40 to +85°C(PVC) / -20 to +70°C (LSZH)	IEC 60794-1-2 F1
Operating Temperature	-40 to +85°C(PVC) / -20 to +70°C (LSZH)	


Order Information

	SM	MM
6 Fibers	BTF06             YW	BTF06             OR(AQ)
12 Fibers	BTF12             YW	BTF12             OR(AQ)
24 Fibers	BTF24             YW	BTF24             OR(AQ)

*Annotation: 1. "" indicates fiber type: 1-- SM all wave, 2-- SM non zero dispersion shifted, 3-- OM3-300M , 5-- 50/125 , 6-- 62.5/125.

2. "" / "" indicates connector type: SC-- SC/UPC, SA-- SC/APC, LC-- LC/UPC, LA-- LC/APC, MPO

3. "xxxx" indicates total assembling cable length. Total assembling length and the division length of main cable and patch cord are assignable.

4. "" indicates jacket's material: C-- PVC, L-- FR-LSZH.

5. Jacket's color: SM-- Yellow, 50/125 & 62.5/125-- Orange, OM3-- Aqua.

Cable Print Mark :

These specifications are subject to change without prior notification.

Contact your OSTenp representative for information on specifications and availability.

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