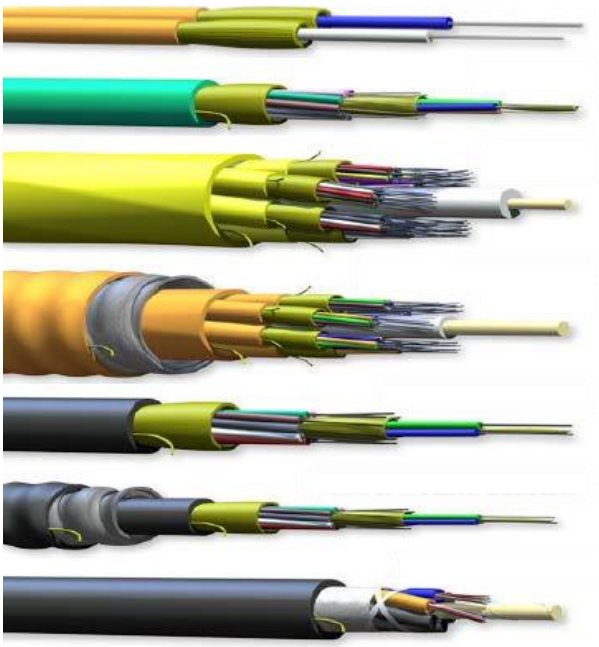
Fiber Optical Cabling Infrastructure Offer



① High-Speed Fiber Cabling Systems

FS.COM offers an extensive line of off the shelf bulk fiber optic cable to meet high bandwidth demand in Local Area Network (LAN) campus and building backbones as well as Data Center backbones.

② Well-designed Cabling Infrastructure

With the highest fiber density relative to cable size, maximize use of pathway and spaces, and facilitate ease of termination, a properly Infrastructure can better accomplish people's need for productivity and innovation.

③ Prefect Data Center Solutions

FS.COM offer a cost-effective and best-in-class data center solution towards more universal and rapid broadband networks varying from data transmission to cable management.

OEM and Custom

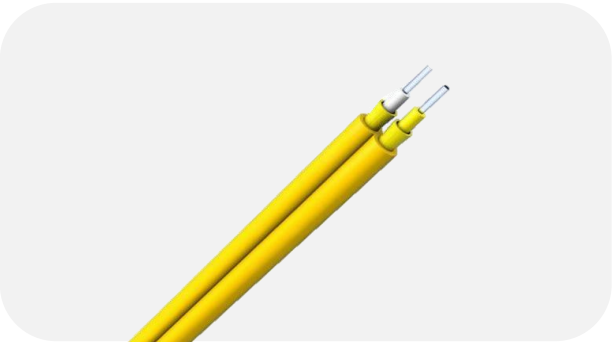
- Cable Structure
  --Tight-buffered, Loose tube, Armored
- Flammability Rating
  -- Riser (OFNR)
  --LSZH (Low smoke zero halogen)
  --Plenum (OFNP)
- Fiber Type
  --SM OS2, MM,10G OM3, 10G OM4
- Fiber Count
  -- 2~144 Fibers
- Jacket Color
  --Yellow, orange, aqua, customized

Indoor Optical Fiber Cable

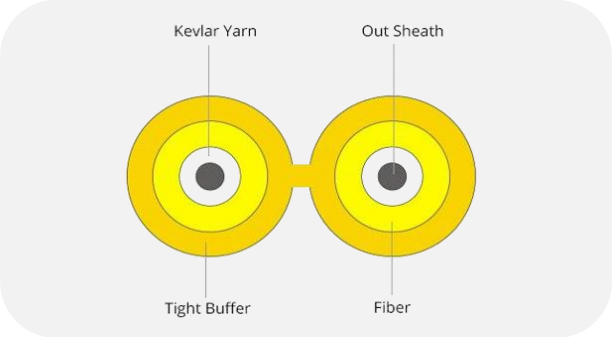
Duplex, Zipcord, Tight Buffer Indoor Interconnect Cable

Zipcord cables are designed for interconnect applications. Two 900μm buffered fibers are surrounded by aramid yarn strength members and a flame-retardant jacket, especially used in optical connections in optical communication equipment rooms and optical distribution frames, optical apparatus and equipments.

Tight Buffer Indoor Cable-Zipcord



Inner Structure-Zipcord



Features and Benefits

- Easy to strip and terminate
- Good mechanical and environmental characteristics
- Flame-retardant and colored outer jacket
- Kevlar yarn material ensures high tensile strength
- Flexible, small diameter, 900μm tight-buffered construction
- Especially for LC/SC/ST/FC fiber cable assembly
- Available in PVC, LSZH and Plenum flame retardant jacket

Application

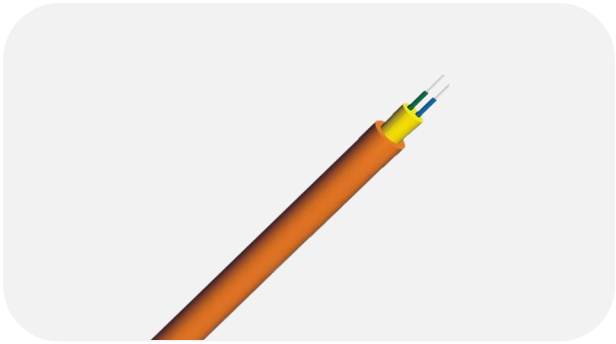
- Pigtails and Jumpers
- Installed within walls, under raised floors, and in air-return spaces
- Interconnection in horizontal spaces between fiber optic equipments

Indoor Optical Fiber Cable

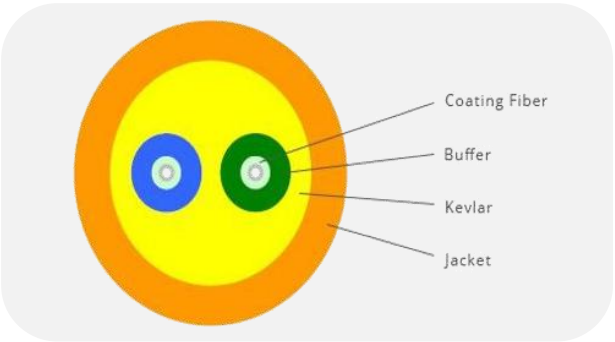
Duplex, Round, Tight Buffer Indoor Interconnect Cable

The two fibers are coated with a 900μm tight buffer thick layer of hard plastic separately, then the two 900μm tight buffer fibers are surrounded together by kevlar yarn, and wrapped by flame-retardant jacket. Duplex single jacket round cables are especially used in optical connections in optical communication equipment rooms and optical distribution frames, optical apparatus and equipments.

Tight Buffer Indoor Cable-Duplex Round



Inner Structure -Duplex Round



Features and Benefits

- The lifespan is over 30 years
- Large span with the largest span of over 1000m
- Can be installed without shutting off the power
- Central strength member FRP gives high tensile strength
- Water blocking system ensures reliable waterproof performance
- PE or AT sheath ensures safety of cable in high voltage environment
- All-dielectric structure and light weight provide easy installation and good electromagnetic resistance

Application

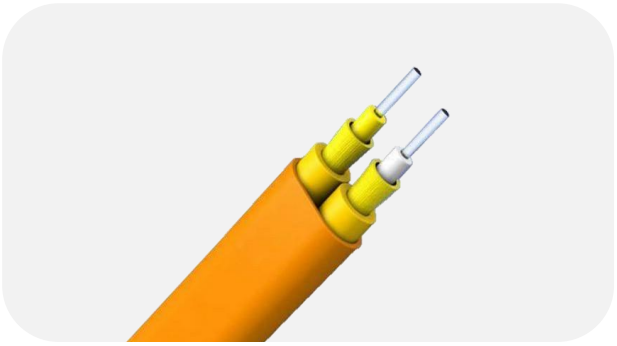
- Pigtails and Jumpers
- Installed within walls, under raised floors, and in air-return spaces
- Interconnection in horizontal spaces between fiber optic equipments

Indoor Optical Fiber Cable

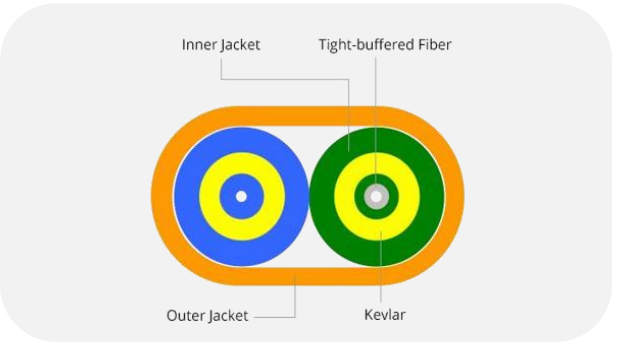
Duplex, Flat, Tight Buffer Indoor Interconnect Cable

Duplex flat cable uses simplex 900μm tight buffer fibre as optical communication medium, the tight buffer fiber wrapped with a layerof aramid yarn as strength member units, and the cable is completed with a flame-retardant PVC jacket. This cable is especially used in optical connections in optical communication equipment rooms and optical distribution frames, optical apparatus and equipments.

Tight Buffer Indoor Cable-Duplex Flat



Inner Structure -Duplex Flat



Features and Benefits

- The lifespan is over 30 years
- Large span with the largest span of over 1000m
- Can be installed without shutting off the power
- Central strength member FRP gives high tensile strength
- Water blocking system ensures reliable waterproof performance
- PE or AT sheath ensures safety of cable in high voltage environment
- All-dielectric structure and light weight provide easy installation and good electromagnetic resistance

Application

- Pigtails and Jumpers
- Installed within walls, under raised floors, and in air-return spaces
- Interconnection in horizontal spaces between fiber optic equipments

Technical Specification

Parameter	Unit	Life Cycle	Zipcord	Round	Flat
Minimum Tensile Strength	N	short term	200	80	60
		ong term	100	190	100
Minimum Crush Load	N/100mm	short term	500	500	500
		long term	100	100	100
Minimum Bending Radius	MM	short term	20D	20D	20D
		long term	10D	10D	10D
Storage Temperature	℃	-20 to +60			

Optical Characteristic

Parameter	Unit	G.652		50/125μm		62.5/125μm	
Attenuation	dB/km	1310nm	≤0.36	850nm	≤3.0	850nm	≤3.0
		1550nm	≤0.22	1300nm	≤1.0	1300nm	≤1.0
Bandwidth	MHz·km	-	-	850nm	≥600	850nm	≥200
		-	-	1300nm	≥1200	1300nm	≥600
Numerical Aperture	NA	-		0.200±0.015		0.275±0.015	

Order Information

Fiber Count	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (kg)
Singlemode 9/125 OS2				
Zipcord	TBIR-OS2-DUZ	Riser	1.6/2.0/3.0	15
Round	TBIR-OS2-DUR	Riser	3.2	19
Flat	TBIR-OS2-DUF	Riser	1.8	59
Multimode 62.5/125 OM1				
Zipcord	TBIR-OM1-DXZ	Riser	1.6/2.0/3.0	15
Round	TBIR-OM1-DXR	Riser	3.2	19
Flat	TBIR-OM1-DXF	Riser	1.8	59
Multimode 50/125 OM2				
Zipcord	TBIR-OM2-DXZ	Riser	1.6/2.0/3.0	15
Round	TBIR-OM2-DXR	Riser	3.2	19
Flat	TBIR-OM2-DXF	Riser	1.8	59
Multimode 50/125 OM3				
Zipcord	TBIR-OM3-DXZ	Riser	1.6/2.0/3.0	15
Round	TBIR-OM3-DXR	Riser	3.2	19
Flat	TBIR-OM3-DXF	Riser	1.8	59
Multimode 50/125 OM4				
Zipcord	TBIR-OM4-DXZ	Riser	1.6/2.0/3.0	15
Round	TBIR-OM4-DXR	Riser	3.2	19
Flat	TBIR-OM4-DXF	Riser	1.8	59

Order Information

Fiber Count	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (kg)
		Singlemode 9/125 OS2		
Zipcord	TBIR-OS2-DUZ	LSZH	1.6/2.0/3.0	15
Round	TBIR-OS2-DUR	LSZH	3.2	19
Flat	TBIR-OS2-DUF	LSZH	1.8	59
		Multimode 62.5/125 OM1		
Zipcord	TBIR-OM1-DXZ	LSZH	1.6/2.0/3.0	15
Round	TBIR-OM1-DXR	LSZH	3.2	19
Flat	TBIR-OM1-DXF	LSZH	1.8	59
		Multimode 50/125 OM2		
Zipcord	TBIR-OM2-DXZ	LSZH	1.6/2.0/3.0	15
Round	TBIR-OM2-DXR	LSZH	3.2	19
Flat	TBIR-OM2-DXF	LSZH	1.8	59
		Multimode 50/125 OM3		
Zipcord	TBIR-OM3-DXZ	LSZH	1.6/2.0/3.0	15
Round	TBIR-OM3-DXR	LSZH	3.2	19
Flat	TBIR-OM3-DXF	LSZH	1.8	59
		Multimode 50/125 OM4		
Zipcord	TBIR-OM4-DXZ	LSZH	1.6/2.0/3.0	15
Round	TBIR-OM4-DXR	LSZH	3.2	19
Flat	TBIR-OM4-DXF	LSZH	1.8	59

Order Information

Fiber Count	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (kg)
Singlemode 9/125 OS2				
Zipcord	TBIP-OS2-DUZ	Plenum	1.6/2.0/3.0	15
Round	TBIP-OS2-DUR	Plenum	3.2	19
Multimode 62.5/125 OM1				
Zipcord	TBIP-OM1-DXZ	Plenum	1.6/2.0/3.0	15
Round	TBIP-OM1-DXR	Plenum	3.2	19
Multimode 50/125 OM2				
Zipcord	TBIP-OM2-DXZ	Plenum	1.6/2.0/3.0	15
Round	TBIP-OM2-DXR	Plenum	3.2	19
Multimode 50/125 OM3				
Zipcord	TBIP-OM3-DXZ	Plenum	1.6/2.0/3.0	15
Round	TBIP-OM3-DXR	Plenum	3.2	19
Multimode 50/125 OM4				
Zipcord	TBIP-OM4-DXZ	Plenum	1.6/2.0/3.0	15
Round	TBIP-OM4-DXR	Plenum	3.2	19

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