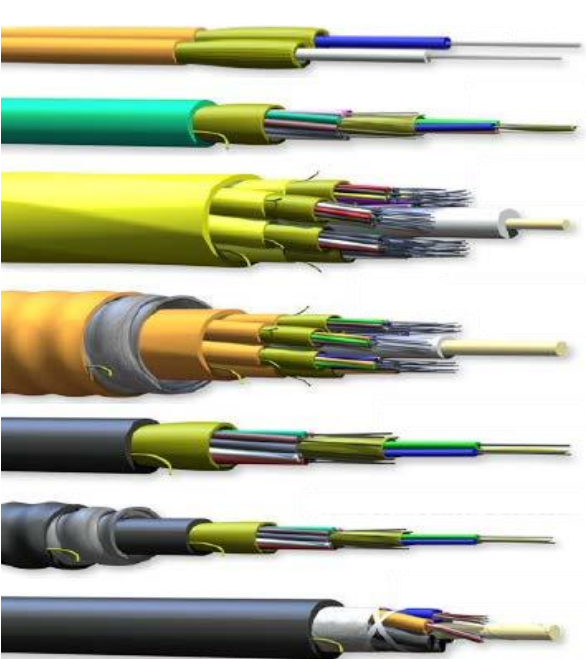


Fiber Optical Cabling Infrastructure Offer



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 Cable

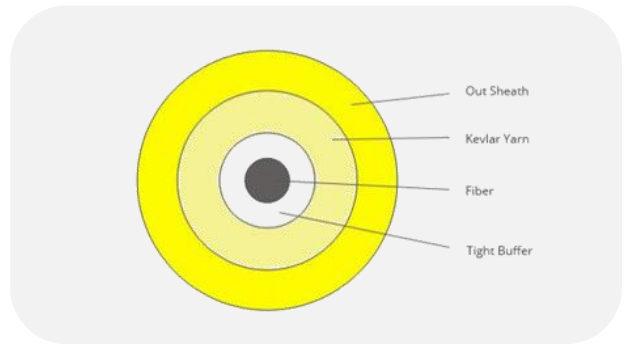
Single Corning Fiber, Tight Buffer Indoor Interconnect Cable

Corning Fiber Single-fiber cables are designed for interconnect applications. A 900µm buffered Corning fiber is surrounded by aramid yarn strength members and a flame-retardant PVC jacket, especially used in optical connections in optical communication equipment rooms and optical distribution frames, optical apparatus and equipments.

Simplex Indoor Cable-TBIR-OS2-SXR-CF



Simplex Inner Structure-TBIR-OS2-SXR-CF



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

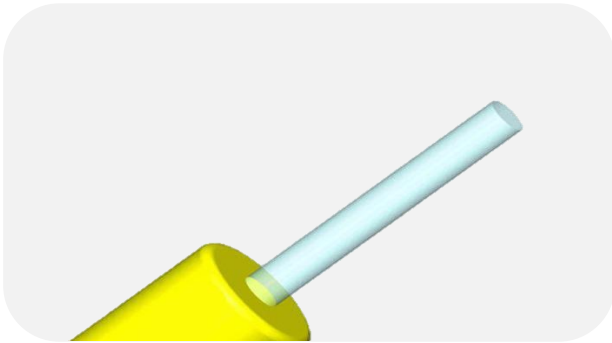
Application

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

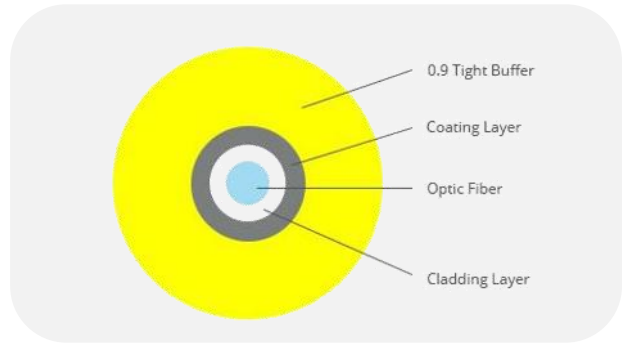
Indoor Optical Fiber Cable

Corning Fiber, Simplex, 900µm, Tight Buffer Indoor Interconnect Cable

900µm Tight Buffer Cable TBIR-OS2-900-CF

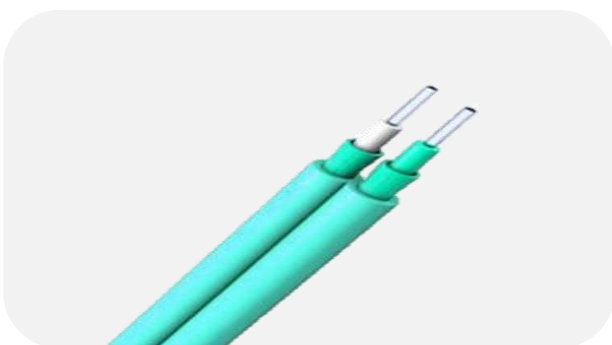


900µm Inner Structure TBIR-OS2-900-CF

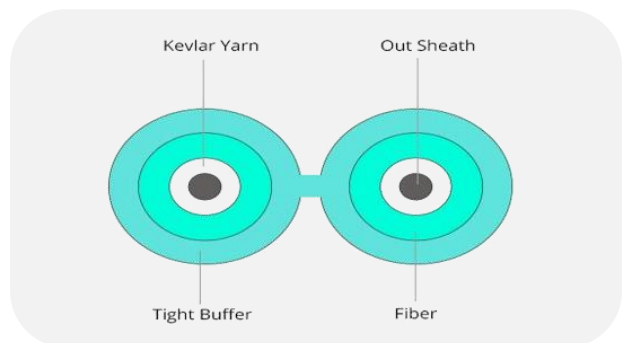


Corning Fiber, Duplex, Zipcord, Tight Buffer Indoor Interconnect Cable

Zipcord Indoor Cable TBIR-OM3-DXZ-CF



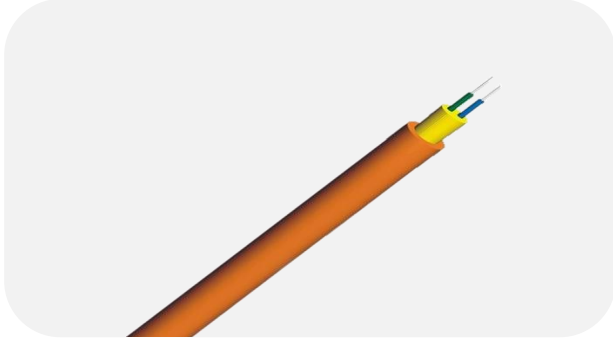
Zipcord Inner Structure TBIR-OM3-DXZ-CF



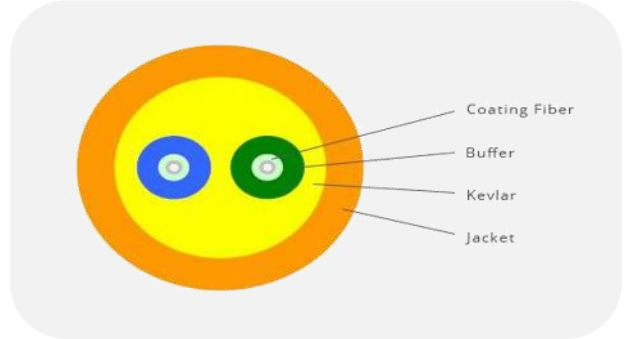
Indoor Optical Fiber Cable

Corning Fiber, Duplex, Round, Tight Buffer Indoor Interconnect Cable

Duplex Round Indoor Cable TBIR-OS2-DXR-CF



Duplex Round Inner Structure TBIR-OS2-DXR-CF



Technical Specification

Parameter	Unit	Life Cycle	Simplex	900μm	Zipcord	Round	Flat
Minimum Tensile Strength	N	short term	100	100	200	80	60
		long term	60	50	100	190	100
Minimum Crush Load	N/100	short term	500	100	500	500	500
	mm	long term	100	80	100	100	100
Minimum Bending Radius	MM	short term	20D	20D	20D	20D	20D
		long term	10D	10D	10D	10D	10D
Storage Temperature	°C	-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 Type	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (Kg)
------------	-------------	---------------------	---------------------	-------------

Singlemode 9/125 OS2

Simplex	TBIR-OS2-SXR-CF	Riser	2.0/3.0mm	8
900μm	TBIR-OS2-900-CF	Riser	0.9mm	3

Multimode 62.5/125 OM1

Simplex	TBIR-OM1-SXR-CF	Riser	2.0/3.0mm	8
900μm	TBIR-OM1-900-CF	Riser	0.9mm	3

Multimode 50/125 OM2

Simplex	TBIR-OM2-SXR-CF	Riser	2.0/3.0mm	8
900μm	TBIR-OM2-900-CF	Riser	0.9mm	3

Multimode 50/125 OM3

Simplex	TBIR-OM3-SXR-CF	Riser	2.0/3.0mm	8
900μm	TBIR-OM3-900-CF	Riser	0.9mm	3

Multimode 50/125 OM4

Simplex	TBIR-OM4-SXR-CF	Riser	2.0/3.0mm	8
900μm	TBIR-OM4-900-CF	Riser	0.9mm	3

Order Information

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

Order Information

Fiber Type	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (Kg)
Singlemode 9/125 OS2				
Simplex	TBIL-OS2-SXR-CF	LSZH	2.0/3.0mm	8
900μm	TBIL-OS2-900-CF	LSZH	0.9mm	3
Multimode 62.5/125 OM1				
Simplex	TBIL-OM1-SXR-CF	LSZH	2.0/3.0mm	8
900μm	TBIL-OM1-900-CF	LSZH	0.9mm	3
Multimode 50/125 OM2				
Simplex	TBIL-OM2-SXR-CF	LSZH	2.0/3.0mm	8
900μm	TBIL-OM2-900-CF	LSZH	0.9mm	3
Multimode 50/125 OM3				
Simplex	TBIL-OM3-SXR-CF	LSZH	2.0/3.0mm	8
900μm	TBIL-OM3-900-CF	LSZH	0.9mm	3
Multimode 50/125 OM4				
Simplex	TBIL-OM4-SXR-CF	LSZH	2.0/3.0mm	8
900μm	TBIL-OM4-900-CF	LSZH	0.9mm	3

Order Information

Fiber Type	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (Kg)
------------	-------------	---------------------	---------------------	-------------

Singlemode 9/125 OS2

Zipcord	TBIL-OS2-DUZ-CF	LSZH	1.6/2.0/3.0	15
Round	TBIL-OS2-DUR-CF	LSZH	3.2	19

Multimode 62.5/125 OM1

Zipcord	TBIL-OM1-DXZ-CF	LSZH	1.6/2.0/3.0	15
Round	TBIL-OM1-DXR-CF	LSZH	3.2	19

Multimode 50/125 OM2

Zipcord	TBIL-OM2-DXZ-CF	LSZH	1.6/2.0/3.0	15
Round	TBIL-OM2-DXR-CF	LSZH	3.2	19

Multimode 50/125 OM3

Zipcord	TBIL-OM3-DXZ-CF	LSZH	1.6/2.0/3.0	15
Round	TBIL-OM3-DXR-CF	LSZH	3.2	19

Multimode 50/125 OM4

Zipcord	TBIL-OM4-DXZ-CF	Riser	1.6/2.0/3.0	15
Round	TBIL-OM4-DXR-CF	Riser	3.2	19

Order Information

Fiber Type	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (Kg)
------------	-------------	---------------------	---------------------	-------------

Singlemode 9/125 OS2

Simplex	TBIP-OS2-SXR-CF	Plenum	2.0/3.0mm	8
900μm	TBIP-OS2-900-CF	Plenum	0.9mm	3

Multimode 62.5/125 OM1

Simplex	TBIP-OM1-SXR-CF	Plenum	2.0/3.0mm	8
900μm	TBIP-OM1-900-CF	Plenum	0.9mm	3

Multimode 50/125 OM2

Simplex	TBIP-OM2-SXR-CF	Plenum	2.0/3.0mm	8
900μm	TBIP-OM2-900-CF	Plenum	0.9mm	3

Multimode 50/125 OM3

Simplex	TBIP-OM3-SXR-CF	LSZH	2.0/3.0mm	8
900μm	TBIP-OM3-900-CF	LSZH	0.9mm	3

Multimode 50/125 OM4

Simplex	TBIP-OM4-SXR-CF	LSZH	2.0/3.0mm	8
900μm	TBIP-OM4-900-CF	LSZH	0.9mm	3

Order Information

Fiber Type	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (Kg)
------------	-------------	---------------------	---------------------	-------------

Singlemode 9/125 OS2

Zipcord	TBIP-OS2-DUZ-CF	Plenum	1.6/2.0/3.0	15
---------	-----------------	--------	-------------	----

Multimode 62.5/125 OM1

Zipcord	TBIP-OM1-DXZ-CF	Plenum	1.6/2.0/3.0	15
---------	-----------------	--------	-------------	----

Multimode 50/125 OM2

Zipcord	TBIP-OM2-DXZ-CF	Plenum	1.6/2.0/3.0	15
---------	-----------------	--------	-------------	----

Multimode 50/125 OM3

Zipcord	TBIP-OM3-DXZ-CF	Plenum	1.6/2.0/3.0	15
---------	-----------------	--------	-------------	----

Multimode 50/125 OM4

Zipcord	TBIP-OM4-DXZ-CF	Plenum	1.6/2.0/3.0	15
---------	-----------------	--------	-------------	----



 <https://www.fs.com>



The information in this document is subject to change without notice. FS has made all efforts to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty.