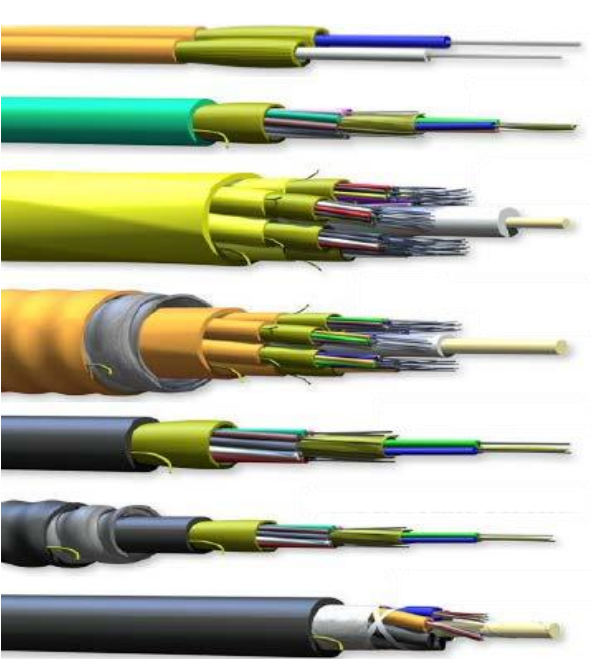


Fiber Optical Cabling Infrastructure Offer



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

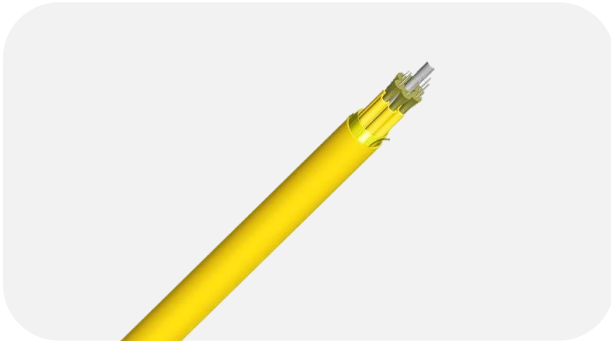
- Cable Structure
 - Tight-buffered, Loose tube, Armored
- Flammability Rating
 - Riser (OFNR)
 - LSZH (Low smoke zero halogen)
 - Plenum (OFNP)
- Fiber Type
 - SM OS2, MM,10G OM3, 10G OM4
- Fiber Count
 - 2~144 Fibers
- Jacket Color
 - Yellow, orange, aqua, customized

Indoor Cable

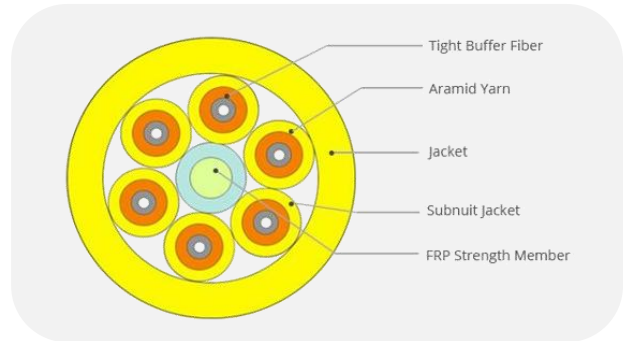
Tight-Buffered Breakout Cable

Breakout Cable has individual sub-cables within a primary outer cable sheath, and each fiber has its own aramid strength member for connector tie-off. It's the easiest fiber cable to install where direct termination of connectors to sub-units and direct run to panels and equipment is desired.

Riser/LSZH Breakout Cable TBBC-OS2-24FR



Inner Structure TBBC-OS2-24FR



Features and Benefits

- Durable outer jacket for pulling
- 900µm tight buffered fibers support fast and robust field terminations
- Subcabled fiber is environmentally and mechanically protected
- Non-metal FRP central strength member, anti-electromagnetic interference
- Used in optical connections in optical apparatus and equipment

Application

- Used for pigtails and patch cords
- Ideal for backbone, horizontal, and intrabuilding runs
- Perfect for horizontal distribution for Fiber-to-the-desk

Technical Specification

Parameter	Unit	Life Cycle	4F	8F	12F	24F
Minimum Tensile Strength	N	short term	1500	1500	1500	1500
		long term	600	600	600	600
Minimum Crush Load	N/100mm	short term	1000	1000	1000	1000
		long term	300	300	300	300
Minimum Bending Radius	MM	short term	20D	20D	20D	20D
		long term	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	
Cable Cut-off Wavelength	λ _{cc} (nm)	≤1260		-		-	

Order Information

Tight-Buffered Breakout Cable-Riser

Fiber Count	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (kg/km)
Singlemode 9/125 OS2				
2F	TBBC-OS2-2FR	Riser	7.0	45.0
4F	TBBC-OS2-4FR	Riser	7.0	45.0
6F	TBBC-OS2-6FR	Riser	8.3	62.5
8F	TBBC-OS2-8FR	Riser	9.5	86.0
12F	TBBC-OS2-12FR	Riser	12.2	140.0
24F	TBBC-OS2-24FR	Riser	15.0	190.0
Multimode 62.5/125 OM1				
2F	TBBC-OM1-2FR	Riser	7.0	45.0
4F	TBBC-OM1-4FR	Riser	7.0	45.0
6F	TBBC-OM1-6FR	Riser	8.3	62.5
8F	TBBC-OM1-8FR	Riser	9.5	86.0
12F	TBBC-OM1-12FR	Riser	12.2	140.0
24F	TBBC-OM1-24FR	Riser	15.0	190.0
Multimode 50/125 OM2				
2F	TBBC-OM2-2FR	Riser	7.0	45.0
4F	TBBC-OM2-4FR	Riser	7.0	45.0
6F	TBBC-OM2-6FR	Riser	8.3	62.5
8F	TBBC-OM2-8FR	Riser	9.5	86.0
12F	TBBC-OM2-12FL	Riser	12.2	140.0
24F	TBBC-OM2-24FL	Riser	15.0	190.0

Order Information

Tight-Buffered Breakout Cable-LSZH

Fiber Count	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (kg/km)
Singlemode 9/125 OS2				
2F	TBBC-OS2-2FL	LSZH	7.0	45.0
4F	TBBC-OS2-4FL	LSZH	7.0	45.0
6F	TBBC-OS2-6FL	LSZH	8.3	62.5
8F	TBBC-OS2-8FL	LSZH	9.5	86.0
12F	TBBC-OS2-12FL	LSZH	12.2	140.0
24F	TBBC-OS2-24FL	LSZH	15.0	190.0
Multimode 62.5/125 OM1				
2F	TBBC-OM1-2FL	LSZH	7.0	45.0
4F	TBBC-OM1-4FL	LSZH	7.0	45.0
6F	TBBC-OM1-6FL	LSZH	8.3	62.5
8F	TBBC-OM1-8FL	LSZH	9.5	86.0
12F	TBBC-OM1-12FL	LSZH	12.2	140.0
24F	TBBC-OM1-24FL	LSZH	15.0	190.0
Multimode 50/125 OM2				
2F	TBBC-OM2-2FL	LSZH	7.0	45.0
4F	TBBC-OM2-4FL	LSZH	7.0	45.0
6F	TBBC-OM2-6FL	LSZH	8.3	62.5
8F	TBBC-OM2-8FL	LSZH	9.5	86.0
12F	TBBC-OM2-12FL	LSZH	12.2	140.0
24F	TBBC-OM2-24FL	LSZH	15.0	190.0



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