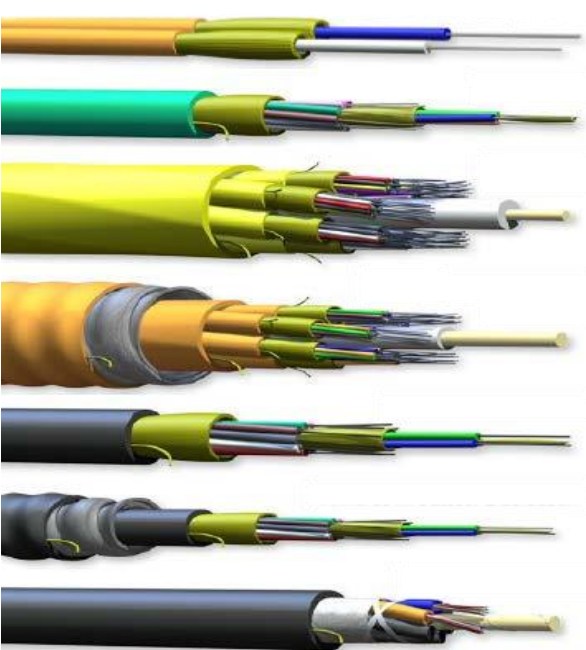


Fiber Optical Cabling Infrastructure Offer



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 Armor, Multi-core, Tight Buffer Breakout Cable

The cable consists of several 0.6mm tight buffer fibers, armored flexible metal tube, a layer of Kevlar yarn, and an outer jacket. It is an ideal choice for direct connectorization. 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.

Armor Breakout Cable TBBC-OS2-12FA



Inner Structure TBBC OS2-12FA



Features and Benefits

- Soft, agility, convenience for connect
- Good mechanical property and environment property
- Single-mode: 9/125 μ m; Multi-mode: 62.5/15 μ m & 50/125 μ m Optional
- high compression resistant, high tensile resistant, rat-bite resistant
- Flexible metal tube and outer jacket

Application

- Pigtails and Patch cord
- Ideal for use in optical device, equipment
- Ideal for use in optical distribution frame
- Suitable for indoor level and vertical cabling

Technical Specification

Parameter	Unit	Life Cycle	2F	4F	6F	8F	12F
Minimum Tensile Strength	N	short term	200	300	300	400	400
		long term	100	150	150	200	200
Minimum Crush Load	N/100mm	short term	5000	5000	5000	5000	5000
		long term	3000	3000	3000	3000	3000
Minimum Bending Radius	MM	Dynamic	20D	20D	20D	20D	20D
		Static	10D	10D	10D	10D	10D
Storage Temperature	°C	-40 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/km)
Singlemode 9/125 OS2				
1F	TBBC-OS2-1FA	LSZH	3.0	12
2F	TBBC-OS2-2FA	LSZH	3.0	18
4F	TBBC-OS2-4FA	LSZH	4.0	70
6F	TBBC-OS2-6FA	LSZH	4.5	70
8F	TBBC-OS2-8FA	LSZH	5.0	80
12F	TBBC-OS2-12FA	LSZH	6.0	100
Multimode 62.5/125 OM1				
1F	TBBC-OM1-1FA	LSZH	3.0	12
2F	TBBC-OM1-2FA	LSZH	3.0	18
4F	TBBC-OM1-4FA	LSZH	4.0	70
6F	TBBC-OM1-6FA	LSZH	4.5	70
8F	TBBC-OM1-8FA	LSZH	5.0	80
12F	TBBC-OM1-12FA	LSZH	6.0	100
Multimode 50/125 OM2				
1F	TBBC-OM2-1FA	LSZH	3.0	12
2F	TBBC-OM2-2FA	LSZH	3.0	18
4F	TBBC-OM2-4FA	LSZH	4.0	70
6F	TBBC-OM2-6FA	LSZH	4.5	70
8F	TBBC-OM2-8FA	LSZH	5.0	80
12F	TBBC-OM2-12FA	LSZH	6.0	100



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