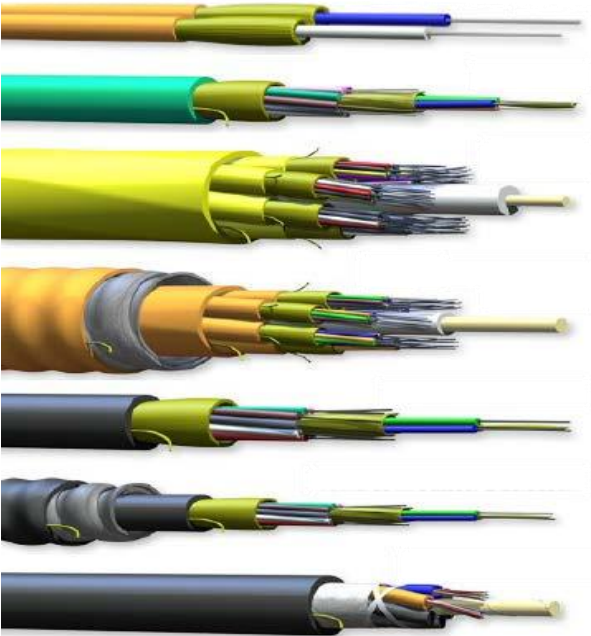


# Fiber Optical Cabling Infrastructure Offer



## 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

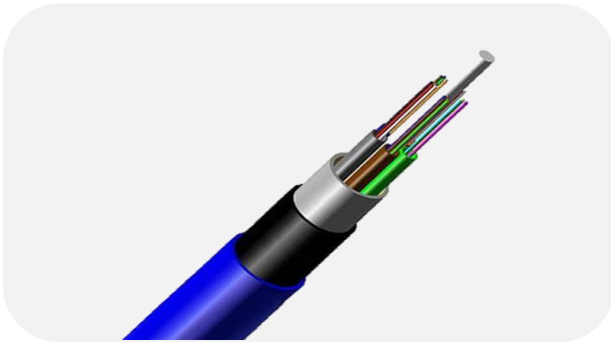
- Cable Structure
  - Tight-buffered, Loose tube, Armored
- Flammability Rating
  - Riser (OFNR)
  - LSZH (Low smoke zero halogen)
  - Plenum (OFNP)
- Fiber Type
  - SM OS2, MM,10G OM3, 10G OM4
- Fiber Count
  - 2~144 Fibers
- Jacket Color
  - Yellow, orange, aqua, customized

## Indoor Cable

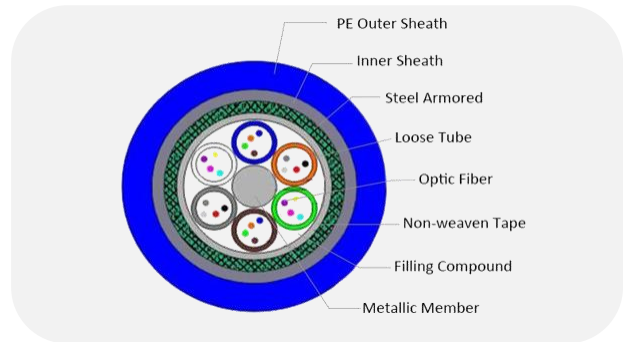
### Single-armored Loose Tube Mining Fiber Optical Cable

With good flame retardant and rodent resistance property, MGTSV mining cable is used in coal, gold, iron ore and other mine, especially for the accident-prone land mines. It is a good choice to ensure smooth communication and reduce losses when the accident happens.

#### Mining Fiber Optical Cable MGTSV



#### Inner Structure MGTSV



## Features and Benefits

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensures a critical protection of fiber
- Special tube filling compound ensures a critical protection of fiber
- Excellent in environmental protection and flame resistant
- Good property of rodent resistant
- Steel wire used as the central strength member

## Application

- Specially used in coal industry
- Certified for use by national authorities
- Intended for mines, mine shafts and cable trays used for mining applications

## Technical Specification

Parameter	Unit	Life Cycle	4F	6F	8F	12F	24F	48F
Minimum Tensile Strength	N	short term	600	600	600	600	600	600
		long term	1500	1500	1500	1500	1500	1500
Minimum Compressive Strength	N/100mm	short term	300	300	300	300	300	300
		long term	1000	1000	1000	1000	1000	1000
Minimum Bending Radius	MM	Dynamic	20D	20D	20D	20D	20D	20D
		Static	10D	10D	10D	10D	10D	10D
Storage Temperature	°C	40 to +70						

## 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	Cable Diameter (mm)	Weight (kg)
<b>Singlemode 9/125 OS2</b>			
2F	MGTSV-OS2-2F	12.7	128
4F	MGTSV-OS2-4F	12.7	128
8F	MGTSV-OS2-8F	12.7	128
12F	MGTSV-OS2-12F	12.7	128
24F	MGTSV-OS2-24F	12.7	128
48F	MGTSV-OS2-48F	14.0	135
<b>Multimode 50/125 OM2</b>			
2F	MGTSV-OM2-2F	12.7	128
4F	MGTSV-OM2-4F	12.7	128
8F	MGTSV-OM2-8F	12.7	128
12F	MGTSV-OM2-12F	12.7	128
24F	MGTSV-OM2-24F	12.7	128
48F	MGTSV-OM2-48F	14.0	135
<b>Multimode 50/125 OM3</b>			
2F	MGTSV-OM3-2F	12.7	128
4F	MGTSV-OM3-4F	12.7	128
8F	MGTSV-OM3-8F	12.7	128
12F	MGTSV-OM3-12F	12.7	128
24F	MGTSV-OM3-12F	12.7	128
48F	MGTSV-OM3-48F	14.0	135



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