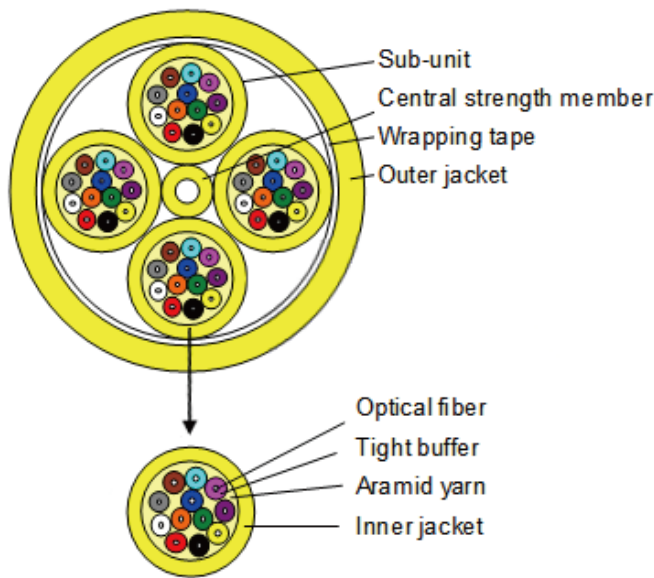


# OPTICAL FIBER

## AIS OM2 Tight Buffer Multimode Fiber Cable 50/125μm



### Product Introduction

AIS has brought you complete series of fiber optic cable products from 4 core to 24 core, available in PE and LSOH cable jackets, simplex and duplex, single mode 9/125um and multimode 50/125um (62.5/125um) for your indoor and outdoor applications. Transmission performances meet TIA/EIA-568-C.3-1. Compact design allows the easy installations. International fiber color coding with strength members,

### Fiber Color Code

- |           |            |                             |                             |
|-----------|------------|-----------------------------|-----------------------------|
| 1. Red    | 7. Brown   | 13. Yellow (every 70cm gap) | 19. Yellow (every 35cm gap) |
| 2. Green  | 8. Purple  | 14. White (every 70cm gap)  | 20. White (every 35cm gap)  |
| 3. Blue   | 9. Aqua    | 15. Gray (every 70cm gap)   | 21. Gray (every 35cm gap)   |
| 4. Yellow | 10. Black  | 16. Aqua (every 70cm gap)   | 22. Aqua (every 35cm gap)   |
| 5. White  | 11. Orange | 17. Orange (every 70cm gap) | 23. Orange (every 35cm gap) |
| 6. Gray   | 12. Pink   | 18. Pink (every 70cm gap)   | 24. Pink (every 35cm gap)   |

### Meet international Standards

- EN 50173-1 Category OM1-EN60793-2-10: Type A1b
- TIA/EIA-492 AAAA-ANSI/TIA/EIA-568-B.3
- ISO/IEC 11801 Category OM1-IEC 60793-2-10 Category A1b

### Fiber Specification

Fiber bundle	900μm ± 50μm
Strength member	E-Glass
Cable jacket	1.2mm thickness LSOH, UV resistant, Meet below standards in different requirements, IEC 60332-1-2 Single cable vertical burning, IEC60754-1 Halogen free, IEC60754-2 Acid Free, IEC61034-2 low smoke
Bare Fiber core	62.5 ± 2.5μm, Meet IEC/EN 60793-1-20
Core Non-Circularity	≤ 5%, Meet IEC/EN 60793-1-20
Cladding Diameter	125μm ± 1.0μm, Meet IEC/EN 60793-1-20
Cladding Non-Circularity	≤ 0.7%, Meet IEC/EN 60793-1-20
Core-Cladding concentricity error	≤ 1.0μm, Meet IEC/EN 60793-1-20
Cable Diameter	4 core 6.5mm, 6 core 6.6mm, 8 core 7.0mm, 12 core 7.0mm, 16 core 8.0mm, 24 core 8.5mm
Cable Weight	4 core 34kg/km, 6 core 36kg/km, 8 core 39kg/km, 12 core 43kg/km, 16 core 52kg/km, 24 core 63kg/km

### Performance Properties

At 850nm Max. Attenuation Value of cable	≤ 3.0 dB/KM
At 1300nm Max. Attenuation Value of cable	≤ 1.0 dB/KM
At 850nm Max. Attenuation Value of cable (IEC 60793-2-10)	≤ 2.5 dB/KM
At 1300nm Max. Attenuation Value of cable (IEC 60793-2-10)	≤ 0.8 dB/KM

### Bandwidth

850nm	1500 MHz.KM
850nm (EMB)	2000 MHz.KM
1300nm	500 MHz.KM

Same Specification Armored cable available

Product Code	Description
AF-431NPBK	Tight Buffer 4 Core OM2 multimode fiber cable
AF-432NPBK	Tight Buffer 6 Core OM2 multimode fiber cable
AF-433NPBK	Tight Buffer 8 Core OM2 multimode fiber cable
AF-434NPBK	Tight Buffer 12 Core OM2 multimode fiber cable
AF-435NPBK	Tight Buffer 16 Core OM2 multimode fiber cable
AF-436NPBK	Tight Buffer 24 Core OM2 multimode fiber cable

Cable specification subject to actual samples