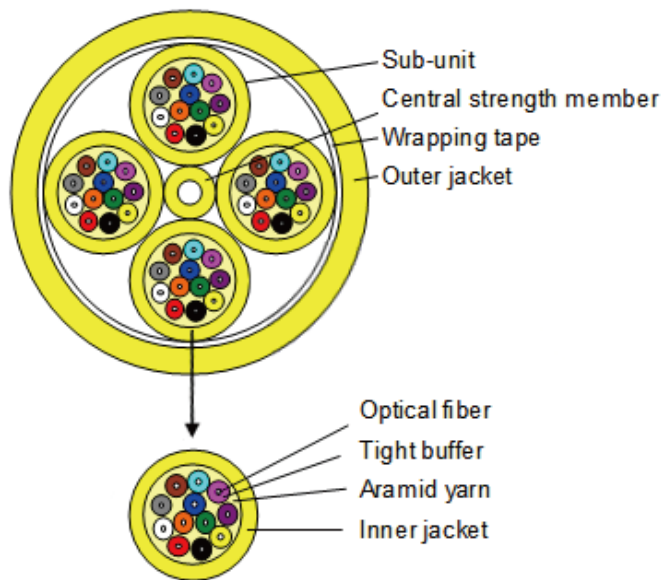


OPTICAL FIBER

AIS OM3 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 | 50 ± 2.0μm, 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 | ≤ 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 Perperties

| | |
|--|-------------|
| 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-431NQBK | Tight Buffer 4 Core OM3 multimode fiber cable |
| AF-432NQBK | Tight Buffer 6 Core OM3 multimode fiber cable |
| AF-433NQBK | Tight Buffer 8 Core OM3 multimode fiber cable |
| AF-434NQBK | Tight Buffer 12 Core OM3 multimode fiber cable |
| AF-435NQBK | Tight Buffer 16 Core OM3 multimode fiber cable |
| AF-436NQBK | Tight Buffer 24 Core OM3 multimode fiber cable |

Cable specification subject to actual samples