

WIREFATH

BULK WIRE

SP-FBR-P-1K-6MD-MM/SP-FBR-P-1K-12MD-MM

Micro distribution type OM3, 6 strand & 12 strand, plenum rated

Features

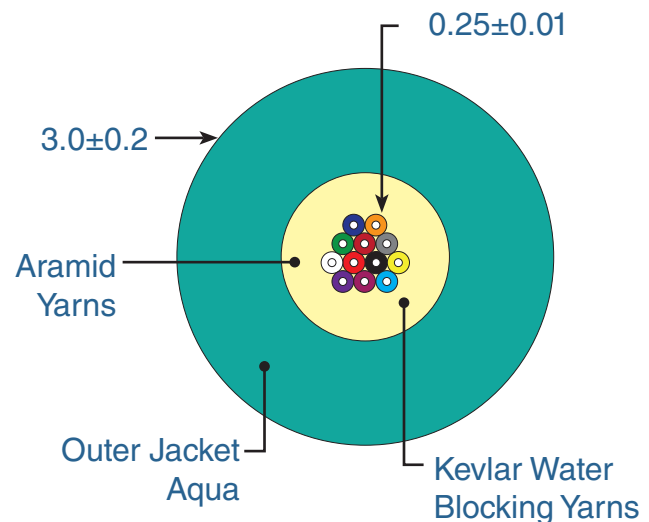
- High mechanical strength with superior durability
- Integral (SSF™) coating eliminates stripping, provides glass protection
- Up to 10,000x the bend longevity of standard fiber
- Increased safety factor due to the incredible bend insensitivity
- Simplified termination process designed for ease of use
- Ultra low attenuation loss on tight bend radius
- Exclusive 250um Soft peel jacket

Application

- Inter-building and intra-building voice or data communication backbones.
- Install in ducts, underground conduits or aerial.
- Fiber-to-the-Home (FTTH).
- UL listed type OFNP for installation in ducts, plenums and other spaces used as environmental air returns. (NEC article 770-51 (a) and 770-53(a)).

Applicable Standards

- UL Listed Type OFNP
- CSA FT6
- IECA S-104-696
- RoHS Compliant
- IEC 60793-2-10 A1a



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| Construction | |
|--------------|--|
| Fiber | 6 or 12 strand |
| | 50/125 Multimode OM3 |
| | 250um "Soft Peel" coating Color Coding per TIA/EIA 568C |
| Jacket | 3.0mm Plenum Rated PVC + UV I/O (Indoor/Outdoor) |
| Marking | WIREFATH SSF 6 FIBER MICRO DIST. MMF(50/125) SSF-S250BIF-OM3 5002371 C2 OFNP C(ETL)US FT-6...INDOOR/OUTDOOR MADE IN USA MM/YY (Month/Year of Manufacture) (Lot #) XXXXXFT Footage markers every two feet. |
| | WIREFATH SSF 12 FIBER MICRO DIST. MMF(50/125) SSF-S250BIF-OM3 5002371 C2 OFNP C(ETL)US FT-6...INDOOR/OUTDOOR MADE IN USA MM/YY (Month/Year of Manufacture) (Lot #) XXXXXFT Footage markers every two feet. |

| Physical & Environmental Characteristics | | |
|--|-------------------------------|------------------------|
| Physical Characteristics | | |
| Storage Temperature Range | -40°C to +80°C | |
| Operating Temperature Range | -20°C to +75°C | |
| Max Tensile Load for Installation | 1000 N(225 lbf) | |
| Max Tensile Long Load term | 500 N (112 lbf) | |
| Min. Bend Radius, Operation | 3.0 mm | |
| Cable Outside Diameter, Nominal | 3.0 mm | |
| Cable Package | 1000ft Reel | |
| Crush Resistance | 100 kgf / mm | |
| Weight | 6.9 (lb/1000ft) | |
| Impact Resistance | 1500 Impact cycles | |
| Flexing @ 90 degree | 2000 flexing cycles | |
| Environmental Characteristics | Dependance at 850 and 1300 nm | Induced Attenuation |
| Temperature | ≤ 0.5 (dB/km) | - 60°C to +85°C |
| Water Intrusion | ≤ 0.5 (dB/km) | 20°C for 30 days |
| Damp Heat | ≤ 0.5 (dB/km) | 85°C, 85%R.H., 30 days |
| Dry Heat | ≤ 0.5 (dB/km) | 85°C, 30 days |

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| Physical Characteristics | | |
|--|--|----------------|
| Physical | | |
| Core Diameter | 50.0 ± 2.5(μm) | |
| Core Non-circularity | ≤ 6 (%) | |
| Core / Hybrid Cladding Concentricity Error | ≤ 3.0 (μm) | |
| Hybrid Cladding Diameter | 125 ± 0.7 (μm) | |
| Hybrid Cladding Non-Circularity Error | ≤ 3.0 (%) | |
| Soft Peel Jacket Identifier Diameter | 250 ± 0.7 (μm) | |
| Coating Strip Force | 100 (g) | |
| Fiber Curl | ≥ 2 (m) | |
| Dynamic Fatigue Constant 23°C, 41% R.H | >30 | |
| Proof Test | 100 (kpsi) | |
| Bends Induced Attenuation at 1300 nm | ≤ 1.0 (dB) at 100 turns around 75mm diameter mandrel | |
| Optical Characteristics | | |
| Attenuation Coefficient | 850 nm | 1300 nm |
| | ≤ 3.0 (dB/km) | ≤ 1.0 (dB/km) |
| Numerical Aperture | 0.200 ± 0.015 | |
| Overfilled Modal Bandwidth | 850 nm | 1300 nm |
| | ≥ 1500 (MHz·km) | ≥ 500 (MHz·km) |
| High Performance EMB | 850 nm | |
| | ≥ 2000 (MHz·km) | |
| Back Scatter Characteristics | | |
| Attenuation Directional Uniformity | ≤ 0.05 (dB/km) | |
| Attenuation Uniformity | ≤ 0.05 (dB) | |
| Group Index of Refraction | 850 nm | 1300 nm |
| | 1.481 | 1.476 |