

NEW
96F eABF



Enterprise Blown Fiber (eABF) Cable

eABF cables are designed by AFL to offer the most rugged and reliable enterprise-based blown fiber solution in the market today. The patent pending cable design combines a light-weight, high-drag jacketing system that allows the cable to be blown long distances. The cable series also features additional attributes that set this product above and beyond traditional blown fiber cables. These enhanced features include mechanical strengthening that permits the cable to comply with industry-standard premise interconnect specifications. In addition, the eABF cable series feature flame-resistance characteristics which result in stand-alone riser and plenum rated options suitable for routing outside of the micro-duct system. Because of these mechanical, environmental and optical qualifications, eABF cables can also be installed in third-party, flame-rated duct and pathway systems.

Applications

- Designed for Data Center Interconnect
- Horizontal Distribution
- Backbone Distribution
- Indoor/outdoor optical circuits
- Low-cost fiber upgrade migration strategies

Features and Benefits

| FEATURES | BENEFITS |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Flame rating options include: <ul style="list-style-type: none"> • Plenum OFNP per NFPA 262 OFNP • Riser OFNR per NFPA NEC 2005 Art 770.51(B) | Complies with NFPA/NEC build codes for fire resistance. Can be installed in eABF duct or third-party rated duct systems. |
| GR-20 Water-blocking | Reduces risk of moisture migration |
| GR-409-CORE compliant | Standards compliant stand-alone interconnect cable |
| Complete range of single-mode and multimode fibers | Supports 10G, 40G and 100G Ethernet architectures |
| Aramid-strengthened cable core | Robust tensile load bearing capable |
| OD compatible with 6 mm ID Micro-ducts | Higher density fiber pathway solutions |
| 96-Fiber count fits into 8.5 mm x 6 mm Micro-duct | Up to 2,304 fibers per 24-way FuturePath Duct |

Specifications—eABF Optical Fiber

| FIBER TYPE | ISO DESIGNATION | MAXIMUM ATTENUATION (DB/KM) | | | OVERFILL LAUNCH MIN. BANDWIDTH (MHZ-KM) | | EMBC (MHZ-KM) | GIGABIT ETHERNET MIN. LINK DISTANCE (METERS) | | 10 GIGABIT ETHERNET MIN. LINK DISTANCE (METERS) | |
|------------|------------------------|-----------------------------|---------|---------|-----------------------------------------|---------|---------------|----------------------------------------------|---------|-------------------------------------------------|---------|
| | | 850 NM | 1300 NM | 1550 NM | 850 NM | 1300 NM | | 850 NM | 1300 NM | 850 NM | 1300 NM |
| 62.5/125 | OM1 | 3.5 | 1.2 | N/A | 200 | 600 | N/A | 300 | 550 | 32 | N/A |
| 50/125 | OM2 BIF | 3.5 | 1.2 | N/A | 500 | 500 | N/A | 600 | 600 | 82 | N/A |
| 50/125 | OM3 BIF | 3.5 | 1.2 | N/A | 1500 | 500 | 2000 | 1000 | 550 | 300 | N/A |
| 50/125 | OM4 BIF | 3.5 | 1.2 | N/A | 3500 | 550 | 4700 | 1040 | 550 | 550 | N/A |
| SM | OS2 (G.652D/ G.657.A1) | N/A | 0.4 | 0.4 | N/A | N/A | N/A | N/A | 5000 | N/A | 10000 |

BIF = Bend Insensitive Fiber

Estimated Installation Distances

| OD/ID | DISTANCE (FT) |
|--------------------------------------------------|---------------|
| V-20 Install Distance—eABF 3.6 mm (6-24 Fibers) | |
| 8.5 x 6 | 3,000 |
| V-20 Install Distance—eABF 3.8 mm (48 Fibers) | |
| 8.5 x 6 | 2,500 |
| V-20 Install Distance—eABF 4.5 mm (72-96 Fibers) | |
| 8.5 x 6 | 1,500 |

Standard eABF Cable Packaging

| PACKAGE TYPE | STD P-U (FT) | PACKAGE WEIGHT | |
|--------------|--------------|----------------|------------------------|
| | | WEIGHT REEL | REEL + FULL LENGTH P-U |
| 30 x 15 x 12 | 15,000 | 34 (15.5) | 208 (311) |
| Reel-in-Box | 2,000 | 10 (4.5) | 23 (34) |

Temperature

| | |
|-------------------------|-----------------|
| OPERATING/INSTALLATION* | -40°C to + 70°C |
| STORAGE | -40°C to +70°C |
| INSTALL | 0°C to + 70°C |

*Not intended for OSP access during operational use.

continued

Enterprise Blown Fiber (eABF) Cable (cont.)

Mechanical Data—Riser (OFNR)

| DURA-LINE NO. | DESCRIPTION | PRODUCT TYPE | FIBER COUNT | NOMINAL DIAMETER | WEIGHT LBS/1,000 FT (KG/KM) | MAXIMUM TENSILE LOAD | | MINIMUM BEND RADIUS | |
|---------------------|-------------------------------|----------------|-------------|------------------|-----------------------------------|-----------------------|----------------------|---------------------------|--------------------------|
| | | | | INCHES (MM) | | SHORT TERM LBS (N) | LONG TERM LBS (N) | SHORT TERM INCHES (MM) | LONG TERM INCHES (MM) |
| 20002960 | MicroCable Riser ENT-A SM-6 | SMF | 6 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002866 | MicroCable Riser ENT-A SM-12 | SMF | 12 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20000729 | MicroCable Riser ENT-A SM-24 | SMF | 24 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20000730 | MicroCable Riser ENT-A SM-48 | SMF | 48 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003201 | MicroCable Riser ENT-A SM-72 | SMF | 72 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |
| NEW 20003630 | MicroCable Riser ENT-A SM-96 | SMF | 96 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |
| 20002961 | MicroCable Riser ENT-A OM1-6 | OM1 (62.5/125) | 6 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002848 | MicroCable Riser ENT-A OM1-12 | OM1 (62.5/125) | 12 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002962 | MicroCable Riser ENT-A OM1-24 | OM1 (62.5/125) | 24 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002963 | MicroCable Riser ENT-A OM1-48 | OM1 (62.5/125) | 48 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003333 | MicroCable Riser ENT-A OM1-72 | OM1 (62.5/125) | 72 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |
| 20002964 | MicroCable Riser ENT-A OM2-6 | OM2 (50/125) | 6 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002965 | MicroCable Riser ENT-A OM2-12 | OM2 (50/125) | 12 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002966 | MicroCable Riser ENT-A OM2-24 | OM2 (50/125) | 24 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002967 | MicroCable Riser ENT-A OM2-48 | OM2 (50/125) | 48 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003334 | MicroCable Riser ENT-A OM2-72 | OM2 (50/125) | 72 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |
| 20002968 | MicroCable Riser ENT-A OM3-6 | OM3 (50/125) | 6 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002969 | MicroCable Riser ENT-A OM3-12 | OM3 (50/125) | 12 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20000695 | MicroCable Riser ENT-A OM3-24 | OM3 (50/125) | 24 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002883 | MicroCable Riser ENT-A OM3-48 | OM3 (50/125) | 48 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003335 | MicroCable Riser ENT-A OM3-72 | OM3 (50/125) | 72 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |
| 20002970 | MicroCable Riser ENT-A OM4-6 | OM4 (50/125) | 6 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002971 | MicroCable Riser ENT-A OM4-12 | OM4 (50/125) | 12 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002972 | MicroCable Riser ENT-A OM4-24 | OM4 (50/125) | 24 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20000696 | MicroCable Riser ENT-A OM4-48 | OM4 (50/125) | 48 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003272 | MicroCable Riser ENT-A OM4-72 | OM4 (50/125) | 72 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |

BIF = Bend Insensitive Fiber

continued



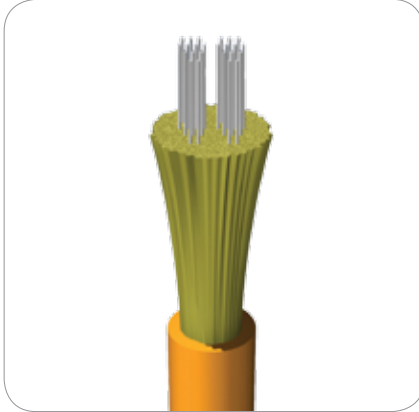
Enterprise Blown Fiber (eABF) Cable (cont.)

Mechanical Data—Plenum (OFNP)

| DURA-LINE NO. | DESCRIPTION | PRODUCT TYPE | FIBER COUNT | NOMINAL DIAMETER | WEIGHT | MAXIMUM TENSILE LOAD | | MINIMUM BEND RADIUS | |
|---------------------|--------------------------------|----------------|-------------|------------------|-----------|----------------------|--------------------|---------------------|------------------------|
| | | | | INCHES (MM) | | LBS/1,000 FT (KG/KM) | SHORT TERM LBS (N) | LONG TERM LBS (N) | SHORT TERM INCHES (MM) |
| 20002973 | MicroCable Plenum ENT-A SM-6 | SMF | 6 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002974 | MicroCable Plenum ENT-A SM-12 | SMF | 12 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002975 | MicroCable Plenum ENT-A SM-24 | SMF | 24 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20001451 | MicroCable Plenum ENT-A SM-48 | SMF | 48 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003337 | MicroCable Plenum ENT-A SM-72 | SMF | 72 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |
| NEW 20003631 | MicroCable Plenum ENT-A SM-96 | SMF | 96 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |
| 20002976 | MicroCable Plenum ENT-A OM1-6 | OM1 (62.5/125) | 6 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002977 | MicroCable Plenum ENT-A OM1-12 | OM1 (62.5/125) | 12 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002978 | MicroCable Plenum ENT-A OM1-24 | OM1 (62.5/125) | 24 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002979 | MicroCable Plenum ENT-A OM1-48 | OM1 (62.5/125) | 48 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003338 | MicroCable Plenum ENT-A OM1-72 | OM1 (62.5/125) | 72 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |
| 20002980 | MicroCable Plenum ENT-A OM2-6 | OM2 (50/125) | 6 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002981 | MicroCable Plenum ENT-A OM2-12 | OM2 (50/125) | 12 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002982 | MicroCable Plenum ENT-A OM2-24 | OM2 (50/125) | 24 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002983 | MicroCable Plenum ENT-A OM2-48 | OM2 (50/125) | 48 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003339 | MicroCable Plenum ENT-A OM2-72 | OM2 (50/125) | 72 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |
| 20002984 | MicroCable Plenum ENT-A OM3-6 | OM3 (50/125) | 6 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002985 | MicroCable Plenum ENT-A OM3-12 | OM3 (50/125) | 12 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002986 | MicroCable Plenum ENT-A OM3-24 | OM3 (50/125) | 24 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002987 | MicroCable Plenum ENT-A OM3-48 | OM3 (50/125) | 48 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003340 | MicroCable Plenum ENT-A OM3-72 | OM3 (50/125) | 72 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |
| 20002988 | MicroCable Plenum ENT-A OM4-6 | OM4 (50/125) | 6 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002989 | MicroCable Plenum ENT-A OM4-12 | OM4 (50/125) | 12 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002990 | MicroCable Plenum ENT-A OM4-24 | OM4 (50/125) | 24 | 0.14 (3.6) | 5.5 (8.2) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20002919 | MicroCable Plenum ENT-A OM4-48 | OM4 (50/125) | 48 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003341 | MicroCable Plenum ENT-A OM4-72 | OM4 (50/125) | 72 | 0.18 (4.5) | 7.5 (10) | 22 (100) | 7 (30) | 3.6 (90) | 1.8 (45) |

BIF = Bend Insensitive Fiber

NEW
eABF SWR



eABF® SWR® Enterprise Air-Jetted Fiber Cable

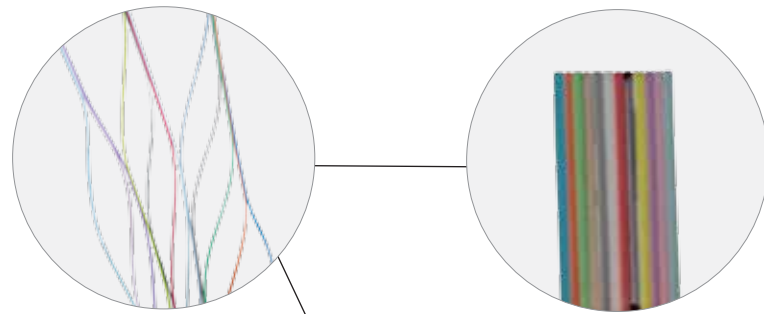
The AFL eABF SWR (SpiderWeb® Ribbon) is a new innovation that combines the best of ribbon fiber mass-fusion functionality and single fiber-bundle packing density to enterprise fiber optic structured cabling materials. The SWR fiber bundle used in this version of the eABF air-jetted fiber optic cable allows for the design of round, high-fiber density geometry yet offers the installer the ability to quickly and efficiently install MPO multi-fiber connectors or mass-fusion splicing without having to sort out and arrange individual fibers. In addition, because of SWR fiber binding system, the individual optical fibers can be easily separated and terminated as single fiber units.

The eABF SWR cable meets the interconnect standards of Telcordia GR-409 and is rated to meet NFPA/NEC flame-safety requirements as a stand-alone cable yet can be jetted thousands of feet in the Dura-Line FuturePath MicroDuct pathway system.

Features

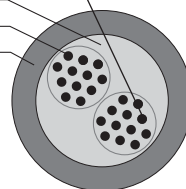
- 24, 48, 72 and 144 fiber options increase design flexibility without increasing space or installation time (labor costs) requirements
- NFPA/NEC Riser and Plenum options for use in riser or plenum pathway environments (outside of micro-duct)
- Innovative fiber-ribbon bonding allows for higher density cable than traditional flat, fiber-ribbon
- Spider Web Ribbon technology reduces cable diameter to improve pathway space and cooling channel efficiencies
- Telcordia GR-409 Interconnect-compliant means cable can be routed within cable management pathways (outside of micro-duct)
- TIA and IEC/ISO OM3, OM4 and single-mode optical fiber options which support easy migration to IEEE 802.3ba 40GbE and 100GbE applications
- Optimized for high-density terminations for excellent integration with MPO-based and mass-fusion spliced connectivity solutions
- Compliant to Directive 2002/95/EC (RoHS) – environment-safe materials reduces concern for handling of cables
- Cables can be de-installed and reused to meet LEED-design guidelines for green building initiatives

SWR Technology

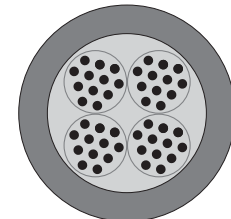


Cable Components

aramid yarn
coated fiber
outer jacket



24 Fiber eABF SWR



48 Fiber eABF SWR

eABF® SWR® Enterprise Air-Jetted Fiber Cable

Temperature Specifications

| TEMPERATURE RANGE | |
|------------------------|----------------|
| OPERATING/INSTALLATION | STORAGE |
| 0°C to +70°C | -40°C to +75°C |

Ordering Information and Mechanical Data

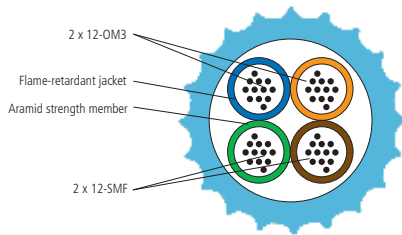
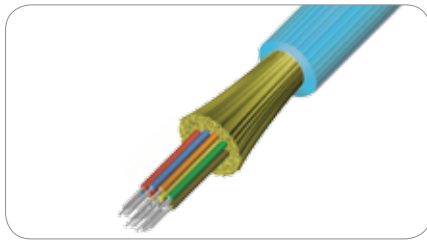
| DURA-LINE NO. | DESCRIPTION | FIBER TYPE | FIBER COUNT | NOMINAL DIAMETER | WEIGHT | MAXIMUM TENSILE LOAD LBS (N) | | MINIMUM BEND RADIUS INCHES (MM) | |
|---------------|----------------------------------------|------------|-------------|------------------|-----------------|------------------------------|-----------|---------------------------------|-----------|
| | | | | INCHES (MM) | LBS/KFT (KG/KM) | SHORT TERM | LONG TERM | SHORT TERM | LONG TERM |
| PLENUM | | | | | | | | | |
| 20003374 | MicroCable SWR Plenum ENT-A SMF-SWR-24 | SMF-SWR | 24 | 0.14 (3.5) | 5.5 (8.2) | 22 (100) | 7 (30) | 2.0 (56) | 1.5 (35) |
| 20003375 | MicroCable SWR Plenum ENT-A OM3-SWR-24 | OM3-SWR | 24 | 0.14 (3.5) | 5.5 (8.2) | 22 (100) | 7 (30) | 2.0 (56) | 1.5 (35) |
| 20003376 | MicroCable SWR Plenum ENT-A OM4-SWR-24 | OM4-SWR | 24 | 0.14 (3.5) | 5.5 (8.2) | 22 (100) | 7 (30) | 2.0 (56) | 1.5 (35) |
| 20003306 | MicroCable SWR Plenum ENT-A SMF-SWR-48 | SMF-SWR | 48 | 0.16 (4.0) | 5.9 (8.8) | 22 (100) | 7 (30) | 2.5 (60) | 1.5 (35) |
| 20003307 | MicroCable SWR Plenum ENT-A OM3-SWR-48 | OM3-SWR | 48 | 0.16 (4.0) | 5.9 (8.8) | 22 (100) | 7 (30) | 2.5 (60) | 1.5 (35) |
| 20003308 | MicroCable SWR Plenum ENT-A OM4-SWR-48 | OM4-SWR | 48 | 0.16 (4.0) | 5.9 (8.8) | 22 (100) | 7 (30) | 2.5 (60) | 1.5 (35) |
| RISER | | | | | | | | | |
| 20003425 | MicroCable Riser ENT-SWR SM-24 | SMF-SWR | 24 | 0.14 (3.5) | 5.5 (8.2) | 22 (100) | 7 (30) | 2.0 (56) | 1.5 (35) |
| 20003424 | MicroCable Riser ENT-SWR OM3-24 | OM3-SWR | 24 | 0.14 (3.5) | 5.5 (8.2) | 22 (100) | 7 (30) | 2.0 (56) | 1.5 (35) |
| 20003428 | MicroCable Riser ENT-SWR OM4-24 | OM4-SWR | 24 | 0.14 (3.5) | 5.5 (8.2) | 22 (100) | 7 (30) | 2.0 (56) | 1.5 (35) |
| 20003303 | MicroCable Riser ENT-SWR SM-48 | SMF-SWR | 48 | 0.16 (4.0) | 5.9 (8.8) | 22 (100) | 7 (30) | 2.5 (60) | 1.5 (35) |
| 20003304 | MicroCable Riser ENT-SWR OM3-48 | OM3-SWR | 48 | 0.16 (4.0) | 5.9 (8.8) | 22 (100) | 7 (30) | 2.5 (60) | 1.5 (35) |
| 20003305 | MicroCable Riser ENT-SWR OM4-48 | OM4-SWR | 48 | 0.16 (4.0) | 5.9 (8.8) | 22 (100) | 7 (30) | 2.5 (60) | 1.5 (35) |
| 20003446 | MicroCable SWR Riser ENT-A OM3-SWR-72 | OM3-SWR | 72 | 0.18 (4.5) | 6.3 (9.4) | 22 (100) | 7 (30) | 2.7 (67) | 1.8 (45) |
| 20003447 | MicroCable SWR Riser ENT-A OM4-SWR-72 | OM4-SWR | 72 | 0.18 (4.5) | 6.3 (9.4) | 22 (100) | 7 (30) | 2.7 (67) | 1.8 (45) |
| 20003448 | MicroCable SWR Riser ENT-4 SMF-SWR-72 | SMF-SWR | 72 | 0.18 (4.5) | 6.3 (9.4) | 22 (100) | 7 (30) | 2.7 (67) | 1.8 (45) |
| 20003882 | MicroCable Riser ENT-SWR SM-144 | SMF-SWR | 144 | 0.32 (8.0) | 56 (83) | 22 (100) | 7 (30) | 7 (160) | 4 (80) |

AFL/DURA-LINE eABF CABLE

Optical Specifications

| FIBER TYPE | MAXIMUM ATTENUATION (DB/KM) | | | OVERFILL LAUNCH MIN. BANDWIDTH (MHZ•KM) | | EMB _c (MHZ•KM) | GIGABIT ETHERNET MIN. LINK DISTANCE (METERS) | | 10 GIGABIT ETHERNET MIN. LINK DISTANCE (METERS) | |
|------------|-----------------------------|---------|---------|-----------------------------------------|---------|---------------------------|----------------------------------------------|---------|-------------------------------------------------|---------|
| | 850 NM | 1300 NM | 1550 NM | 850 NM | 1300 NM | | 850 NM | 1300 NM | 850 NM | 1300 NM |
| OM3 | 3.0 | 1.2 | N/A | 1500 | 500 | 2000 | 1000 | 550 | 300 | — |
| OM4 | 3.0 | 1.2 | N/A | 3500 | 550 | 4700 | 1040 | 550 | 550 | — |
| OS2 | N/A | 0.5 | 0.5 | N/A | N/A | N/A | N/A | 5000 | N/A | 10000 |

Tested to meet or exceed EIA/TIA 568-B3 / Telcordia GR-409-CORE



Example with OM3 and single-mode fibers

Hybrid Enterprise Blown Fiber (eABF®) Cable with Various Fiber Combinations

eABF cables are designed by AFL to offer the most rugged and reliable enterprise-based blown fiber solution in the market today. The patent pending cable design combines a light-weight, high-drag jacketing system that allows the cable to be blown long distances. The cable series also features additional attributes that set this product above and beyond traditional blown fiber cables. These enhanced features include mechanical strengthening that permits the cable to comply with industry-standard premise interconnect specifications. In addition, the eABF cable series feature flame-resistance characteristics which result in stand-alone riser rated options suitable for routing outside of the micro-duct system. Because of these mechanical, environmental and optical qualifications, eABF cables can also be installed in third-party flame-rated duct and pathway systems.

Applications

- Designed for Data Center Interconnect
- Horizontal Distribution
- Vertical Distribution
- Inter and Intra-building optical circuits
- Low-cost fiber upgrade migration strategies

Features and Benefits

| FEATURES | BENEFITS |
|----------------------------------------------------|---------------------------------------------------------|
| Flame rating: • Riser OFNR • Plenum OFNP | Complies with NFPA/NEC build codes for fire resistance. |
| GR-409-CORE compliant | Standards compliant stand-alone interconnect cable |
| Complete range of single-mode and multimode fibers | Supports 10G, 40G and 100G Ethernet architectures |
| Aramid-strengthened cable core | Robust tensile load bearing capable |
| OD compatible with 6 mm ID Micro-ducts | Higher density fiber pathway solutions |

Specifications—eABF Optical Fiber

| FIBER TYPE | ISO DESIGNATION | MAXIMUM ATTENUATION (DB/KM) | | | OVERFILL LAUNCH MIN. BANDWIDTH (MHZ-KM) | | EMBC (MHZ-KM) | GIGABIT ETHERNET MIN. LINK DISTANCE (METERS) | | 10 GIGABIT ETHERNET MIN. LINK DISTANCE (METERS) | |
|------------|-----------------|-----------------------------|---------|---------|-----------------------------------------|---------|---------------|----------------------------------------------|---------|-------------------------------------------------|---------|
| | | 850 NM | 1300 NM | 1550 NM | 850 NM | 1300 NM | | 850 NM | 1300 NM | 850 NM | 1300 NM |
| 50/125 | OM3 | 3.5 | 1.2 | N/A | 1500 | 500 | 2000 | 1000 | 550 | 300 | N/A |
| SM | OS2 | N/A | 0.4 | 0.4 | N/A | N/A | N/A | N/A | 5000 | N/A | 10000 |

Estimated Installation Distances

| OD/ID | AIR (FT/90°S) |
|-----------------------------------------------------------|---------------|
| 8.5 x 6 , V-20 Install Distance—eABF 3.8 mm (6-24 Fibers) | 2,300 / 24 |
| 8.5 x 6 , V-20 Install Distance—eABF 3.8 mm (48 Fibers) | 2000 / 19 |

Standard eABF Cable Packaging

| PACKAGE TYPE | STD P-U (FT) | PACKAGE WEIGHT | |
|--------------|--------------|----------------|------------------------|
| | | WEIGHT REEL | REEL + FULL LENGTH P-U |
| 30 x 15 x 12 | 15,000 | 34 (15.5) | 208 (311) |
| Reel-in-Box | 1,000 | 10 (4.5) | 23 (34) |

Temperature

| | |
|------------------------|-----------------|
| OPERATING/INSTALLATION | -40°C to + 70°C |
| STORAGE | -40°C to +70°C |
| INSTALL | 0°C to + 70°C |

Ordering Information

Many additional Hybrid variations and combinations of eABF cable available. Contact AFL or Dura-Line for additional configurations.