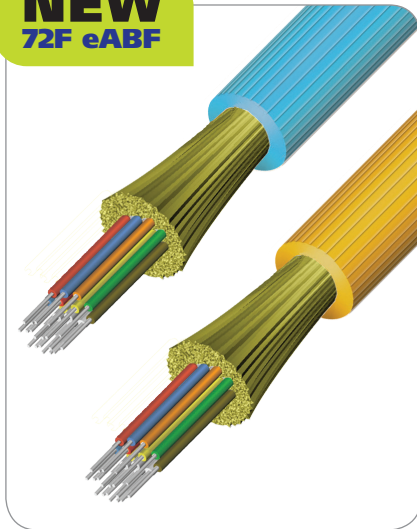


NEW
72F eABF


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 20003628 | MicroCable Riser SMF-72 200 micron | SMF 200 µm | 72 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003630 | MicroCable Riser ENT-A SM-96 | SMF 200 µm | 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) |

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 20003629 | MicroCable Plenum SMF-72 200 micron | SMF 200 µm | 72 | 0.15 (3.8) | 5.9 (8.8) | 22 (100) | 7 (30) | 1.2 (30) | 0.8 (20) |
| 20003631 | MicroCable Plenum ENT-A SM-96 | SMF 200 µm | 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) |