



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 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)
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)

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