LMV-Series OFNR I/O MicroCore®

AFL's LMV-Series Indoor/Outdoor OFNR MicroCore product line is designed for applications requiring cables that can be routed in OSP and ISP without the need to transition to a separate flame-rated product. These cables can be readily installed in micro-duct pathways or, with their 300-lb load rating, pulled into conventional ducts. Their small size also makes them better suited for duct override applications compared to traditional I/O loose tube cables. The LMV-Series product line is available in fiber counts ranging from 24 to 144.

Premise Cable

Features

- Indoor/Outdoor Riser-rated:
  Can be routed throughout network without need separate OSP and ISP cable
- Optimized air-jetting cable design:
  Ideally suited for low-cost micro-duct installation
- Loose buffer tube core construction using 200 micron single-mode fiber

Applications

- Inter-building campus backbone
- FTTx MDU feeder connection
- Industrial complex communications infrastructure

Ordering Information and Fiber Specifications

AFL NO.	FIBER COUNT	FIBERS/ NO. OF TUBES*	NOMINAL DIAMETER	MIN. MICRODUCT INNER DIAMETER	WEIGHT	MAXIMUM TENSILE LOAD lbs (N)		MINIMUM BEND inches (cm)	
			inches (mm)	inches (mm)	lbs/1000 ft (kg/km)	INSTALLATION	OPERATION	INSTALLATION	OPERATION
LMV024BCO6101NS	24	24/1 (5 fillers)	0.374 (9.5)	0.512 (13)	64 (95)	300 (1334)	90 (400)	8 (19)	6 (15)
LMV048BCO6101NS	48	24/2 (4 fillers)	0.374 (9.5)	0.512 (13)	64 (95)	300 (1334)	90 (400)	8 (19)	6 (15)
LMV072BCO6101NS	72	24/3 (3 fillers)	0.374 (9.5)	0.512 (13)	65 (96)	300 (1334)	90 (400)	8 (19)	6 (15)
LMV096BCO6101NS	96	24/4 (2 fillers)	0.374 (9.5)	0.512 (13)	65 (97)	300 (1334)	90 (400)	8 (19)	6 (15)
LMV144BCO6101NS	144	24/6	0.374 (9.5)	0.512 (13)	65 (97)	300 (1334)	90 (400)	8 (19)	6 (15)

* Fibers are arranged in buffer tubes using 12-fiber sets. Each set is identified by colored binder threads.

Qualifications

GOVERNING BODY	STANDARD CODE	COMPONENT
Telcordia	GR-20-CORE	Water-Blocked Cabled Buffer Tube Core
ICEA	S-104-696	Cable
UL	1666 (OFNR)	Cable
CSA	22.2 (FT4)	Cable
TIA	598-D	Fiber

Temperature Specifications

TEMPERATURE RANGE	
INSTALLATION	-10°C to +40°C
OPERATING	-30°C to +70°C
STORAGE	-30°C to +70°C

Contact AFL for further details.