



LM200-Series OSP MicroCore® Cable

AFL's LM200-Series OSP MicroCore includes 12 through 432 fiber options. The product design integrates the latest technology, 200 µm buffered single-mode fiber which allows for reduced diameter cables compared to traditional OSP micro-cables. The foundation of the design is the multi-fiber-set, gel-filled buffer tube construction. The kink-resistant buffer tube contains multiple 12-fiber sets of color-coded fibers. Each set within the buffer tube is grouped using dual color-coded binder threads. The dry-blocked core is made up of six buffer tubes SZ-stranded around a central strength member. The low-friction, high-strength overall jacketing system protects the cable-core while providing an optimized cable package supporting high-speed, long-distance jetting performance.

The LM200-Series is the right choice for use in bundled micro-duct pathways allowing for future, incremental cable additions as network circuits and bandwidth requirements increase.

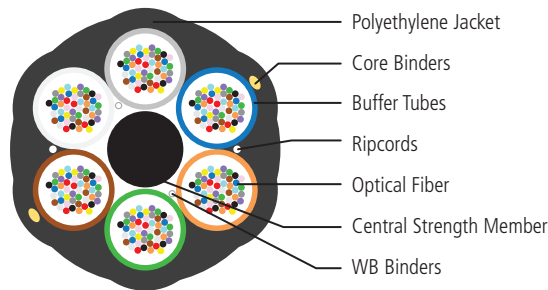
Applications

- Long-haul, Local Loop FTTx, Campus Backbone connections for 10G, 40G and 100G network transmission speeds
- Air-jetted into bundled micro-ducts
- Ideal for congested pathway over-ride installations

Temperature Range

Storage	-30°C to +75°C
Installation	-10°C to +40°C
Operating	-30°C to +70°C

Cable Components



Features

- Telcordia GR-20 and IEC 60794-5-10 compliant cable designs provide assurance the OSP cabling system complies with industry-leading standards
- Robust, kink-resistant buffer tubes reduce time and handling issues associated with enclosure build-outs
- Optical fiber meets ITU-T 652D/G.657.A1 single-mode standard assuring that all of today's FTTx and long-haul applications are supported
- Low-friction jacketing system allows for longer jetting distances thus reducing scrap and labor costs
- Designed for use in bundled micro-duct pathways allowing for future, optical circuit additions at a fraction of the cost compared to conventional, single-cable inner-duct installations

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Physical and Mechanical Data

AFL NO.	FIBER COUNT	FIBERS PER TUBE	MICRODUCT INNER DIAMETER (MM)	DIAMETER		WEIGHT		MAXIMUM TENSILE LOAD		MINIMUM BEND RADIUS	
				INCHES	(MM)	LBS/1000FT	(KG/KM)	LBS (N)		INCHES (CM)	
								INSTALLATION	LONGTERM	INSTALLATION	LONGTERM
LM024BAO6101NS	24	24	0.315 (8)	0.248	6.3	20	30	200 (890)	60 (267)	5 (13)	4 (10)
LM048BAO6101NS	48	24	0.315 (8)	0.248	6.3	21	31	200 (890)	60 (267)	5 (13)	4 (10)
LM072BAO6101NS	72	24	0.315 (8)	0.248	6.3	21	31	200 (890)	60 (267)	5 (13)	4 (10)
LM096BAO6101NS	96	24	0.315 (8)	0.248	6.3	22	33	200 (890)	60 (267)	5 (13)	4 (10)
LM144BAO6101NS	144	24	0.315 (8)	0.248	6.3	23	34	200	60	5 (13)	4 (10)
LM288BAR6101NS	288	48	0.394 (10)	0.319	8.1	38	56	300	90	6.5 (16.5)	5 (13)
LM432BAT6101NS	432	72	0.512 (13)	0.378	9.6	54	80	300	90	7.5 (19)	6 (15)

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

Optical Fiber Specifications

FIBER TYPE	STANDARD	MODE FIELD DIAMETER	ATTENUATION	
			1300 nm	1550 nm
Single-mode	ITU-T G.652D / 657.A1	9.2 μm nominal	0.35	0.25

OSP MicroCore Cable Packaging

DIMENSIONS	STANDARD REEL LENGTH	REEL WEIGHT
48 x 30 x 24	20000 ft (6,096 m)	100 lbs (46 kg)