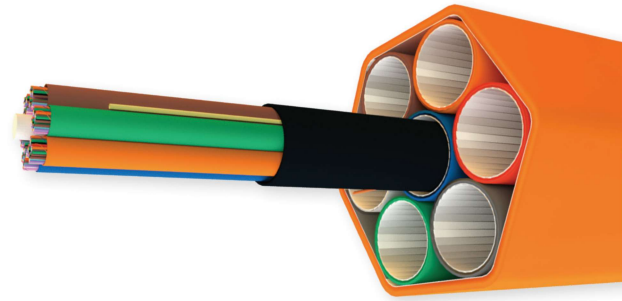


LM200-Series OSP MicroCore® Cable

The product design integrates 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.



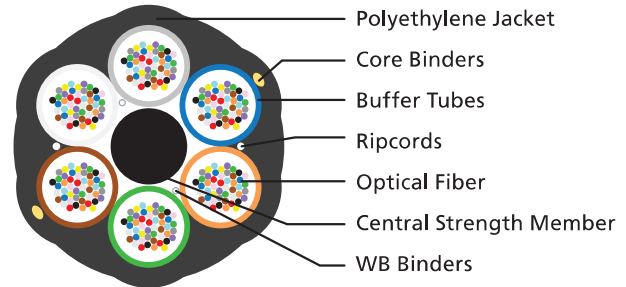
Features

- Build America/Buy America options available
- 24 to 432 fibers
- Robust, kink-resistant buffer tubes reduce time and handling issues associated with enclosure build-outs
- Low-friction jacketing system allows for longer jetting distances
- Designed for use in bundled micro-duct pathways allowing for future, optical circuit additions

Applications

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

Cable Components



continued →

LM200-Series OSP MicroCore® Cable

Mechanical Data

AFL No.	Fiber Count	No. of Tubes Fibers/Number of Tubes***	Nominal Diameter	Min. Microduct Inner Diameter	Nominal Weight	Maximum Tensile Load		Minimum Bend Radius	
			Inches (mm)	Inches (mm)	lbs/1,000 ft (kg/km)	lbs (N)		Inches (cm)	
						Short Term	Long Term	Short Term	Long Term
LM024xO6101NS**	24	1-24 (5 fillers)	0.248 (6.3)	0.315 (8)	21 (31)	200 (890)	60 (267)	5 (13)	4 (10)
LM048xO6101NS**	48	2-24 (4 fillers)	0.248 (6.3)	0.315 (8)	22 (33)	200 (890)	60 (267)	5 (13)	4 (10)
LM072xO6101NS**	72	3-24 (3 fillers)	0.248 (6.3)	0.315 (8)	23 (34)	200 (890)	60 (267)	5 (13)	4 (10)
LM096xO6101NS**	96	4-24 (2 fillers)	0.248 (6.3)	0.315 (8)	24 (36)	200 (890)	60 (267)	5 (13)	4 (10)
LM144xO6101NS**	144	6-24	0.248 (6.3)	0.315 (8)	26 (39)	200 (890)	60 (267)	5 (13)	4 (10)
LM288xR6101NS**	288	6-48	0.319 (8.1)	0.394 (10)	43 (65)	300 (1334)	90 (400)	6.5 (17)	5 (13)
LM432xT6101NS**	432	6-72	0.409 (10.4)	0.512 (13)	70 (104)	300 (1334)	90 (400)	8.5 (21)	6.5 (16)

Note: Diameter and weight subject to change without notice

* Fiber Types - Replace "x" in AFL number with number in the Fiber Specifications table below.

** For BABA-Compliant Part Number, add "-B" to end of part number.

*** Fibers are arranged in 12-fiber sets identified by colored binder threads. For fiber identification details [click here](#).

Optical Fiber Specifications

Fiber Type	"X"	Standard	Mode Field Diameter	Attenuation	
				1300 nm	1550 nm
200 µm Single-mode	BC	ITU-T G.652D/657.A1	9.2 µm nominal	0.35	0.25
Corning 200 µm Single-mode	BA	ITU-T G.652D/657.A1	9.2 µm nominal	0.35	0.25
BABA-Compliant 200 µm Single-mode	BS	ITU-T G.652D/657.A1	9.2 µm nominal	0.35	0.25

Standard Packaging Details

Fiber Count	Reel Dimensions (Flange x Width)	Standard Reel Length	Reel Weight	Typical Total Weight
24-288	48 x 36 in.	19,000 ft (5,791 m)	140 lbs (64 kg)	1,100 lbs (500 kg)
432	58 x 38 in.	19,000 ft (5,791 m)	435 lbs (197 kg)	1,900 lbs (862 kg)

Temperature Specifications

Temperature Range	
Operation	-30°C to +70°C
Storage	-30°C to +70°C
Installation	-10°C to +60°C

Recommended Products

Description	AFL No.
Apex® X-2 Sealed Splice Closure	Refer to spec sheet for AFL No.
Apex® X-2S Sealed Splice Closure	Refer to spec sheet for AFL No.
Poli-MOD® Patch and Splice Module	Refer to spec sheet for AFL No.
FUSEConnect® MPO Splice-on Connectors	Refer to spec sheet for AFL No.
FUSEConnect® Field-installable Splice-on Connectors	Refer to spec sheet for AFL No.

Qualifications

Governing Body	Standard Code	Component
ANSI/CEA	S-122-744	Cable
TIA	598-D	Fiber

Contact AFL for further details.

