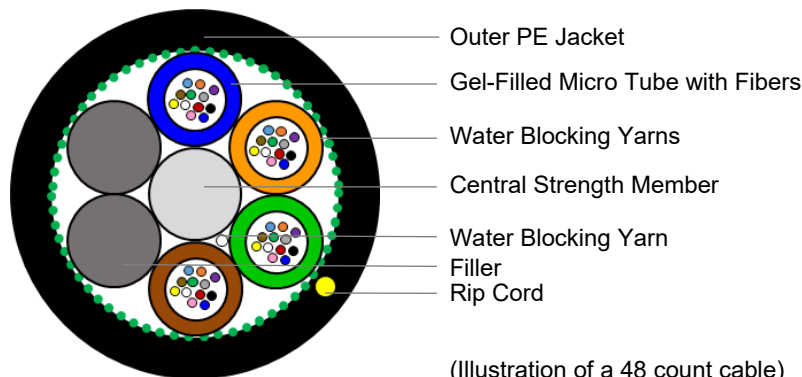


LA-ABC-001 Microduct Fiber Optic Cable Series

Gel-Filled, All Dielectric, Flexible Loose Buffer Tubes, Blowable

Product Features

- Ideal for microduct installation by air pressure
- Light weight and smaller diameter
- Optical fiber counts up to 432
- Available with GR-20 Core compliant single-mode optical fibers
- Designed and engineered in the US



Product Description

Lexington Ames' ABC-001 Dielectric Single Jacket Loose Buffer Tube Cable for Microduct is designed to meet the requirements specific to the North American standards for every day air-blown microduct installations and provides the optical and mechanical performances perfectly equivalent to the cables that are being widely installed in North America.

The cable core consists of optical fibers, dry water swellable material, and PP loose buffer tubes, and poly ethylene fillers (if necessary), SZ-stranded around the dielectric central strength member with water blocking yarns. The cable structure is wrapped by water blocking yarns covered by rip cords and an flexible outer MDPE or HDPE jacket.

The construction of the cable guarantees flexibility and complete water blocking to ensure easy installation and long-term reliability.

Specifications

Fiber Count	12-72	96	144	192-216	288	432
Cable OD - in. (mm)	0.213 (5.4)	0.244 (6.2)	0.315 (8.0)	0.327 (8.3)	0.378 (9.6)	0.449 (11.4)
Weight - lb/kft (kg/km)	17 (25)	24 (35)	38 (57)	37 (55)	52 (77)	69 (102)
Number of Fibers per Tube	12	12	12	12	12	12
Number of Tube Positions*	6	8	12	6	24 (9+15)	36 (6+12+18)

* Buffer tube color code over 12 positions: single or double stripe(s)

Mechanical Properties

Minimum Bending Radius, Loaded	20 x OD	Tensile Strength	1W (W:cable weight)
Minimum Bending Radius, Unloaded	10 x OD	Crush Resistance	112 lbf (500 N)
Operation Temperature Range	-30°C ~ +70°C	Impact Resistance	4.9 N.m
Repeated Bend	40D, 50N	Kink	40D

Optical Fiber

Fiber type	Wavelengths (nm)	Max. Attenuation (~288F)	Max. Attenuation (432F~)	MFD@1310nm	Coated Diameter
G.652.D (D0)	1310/1550	0.35/0.25 dB/km	0.4/0.3 dB/km	9.2 ± 0.4 μm	250 ± 15 μm
G.657.A1 (A1)	1310/1550	0.35/0.25 dB/km	0.4/0.3 dB/km	8.9 ± 0.4 μm	250 ± 15 μm

Part Number: LA-ABC-001-L1-L2-L3-L4

L1 = Total fiber count (000) L2 = Fiber count per tube (12 or 24) L3 = Fiber type (D0, A1) L4 = Cable type (SD or HD)

LA-ABC-001 Microduct Fiber Optic Cable Series

Packing and Shipping Information

- Reel Lengths: 13,123FT or 19,686FT for 12-72F, 13,123FT for 96-432F

Reel Information							
Fiber Count	Packing Dimension (in.)		Reel Dimension (in.)				
	Height	Width	Reel Diameter	Barrel Diameter	Outer Width	Inner Width	Arbor Hole D.
12-72 (19,686')							
12-72 (13,123')	36.6	17.7	34.6	17.7	17.7	14.6	2.95
96	39.0	22.2	37.0	19.7	22.2	19.1	2.95
144	47.2	22.2	45.3	23.6	22.2	18.3	4.33
192-216	49.2	22.2	47.2	23.6	22.2	17.5	4.33
288	55.1	22.2	53.1	27.6	22.2	17.5	4.33

Shipping Information									
Fiber Count	Reel Length		Weight, lbs (kg)			20FT Container		40FT Container	
	FT	KM	Net Weight	Reel Weight	Gross Weight	Reel Count	Total Length	Reel Count	Total Length
12-72	19686	6							
12-72	13123	4	220 (100)	139 (63)	359 (163)	30	393,690 FT	62	813,626 FT
96	13123	4	309 (140)	172 (78)	481 (218)	22	288,706 FT	48	629,904 FT
144	13123	4	503 (228)	265 (120)	767 (348)	17	223,091 FT	37	485,551 FT
192-216	13123	4	485 (220)	317 (144)	802 (364)	17	223,091 FT	37	485,551 FT
288	13123	4	679 (308)	386 (175)	1065 (483)	16	209,968 FT	33	433,059 FT

