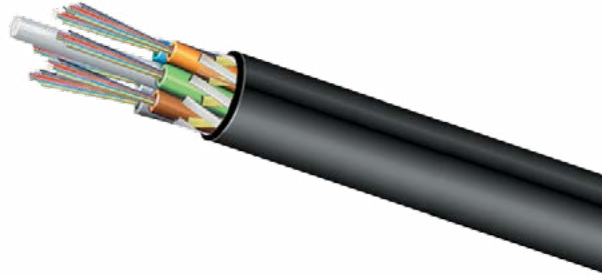


# Air-blown micro cable

## Stranded loose tube all-dielectric

CommScope's family of cost-effective fiber-optic micro cables is designed for installations air blown into microducts. Microduct technology provides a cost-effective, craft-friendly way to upgrade your network, which can grow on demand by deploying fiber as needed. This technology is also common in congested areas, such as metro applications, where duct space is very limited. These cable designs are compact and lightweight, and contain high fiber density to maximize the fiber count available in a small cable diameter.

The stranded loose tube design is available in counts up to 144 with outer diameters varying from 5.5 mm–9.1 mm. Stranded loose tube cable provides easy, mid-span access.



Features and benefits
Designed for air-blown, microduct applications
Small, cost-effective, lightweight cable designs containing maximized fiber capacity
Qualified under the IEC 60794

1 B - 2 012 - 3 LN - 4 8W - 5 X - 6 12 - 7 NS/16G

### Singlemode cable type

1	B	Blown micro cable
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### Fiber count

2	XXX	Fiber count
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### Cable construction

3	LN	Loose tube, all-dielectric
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### Fiber type

4	8W	G.652.D and G.657.A1 singlemode
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### Cable marking

5	M	Sequentially marked in meters
	F	Sequentially marked in feet

### Number of fibers per subunit

6	12	12 fibers per subunit
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### Tracer type

7	NS	No-stripe
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# Air-blown micro cable specifications

## PHYSICAL SPECIFICATIONS

PRODUCT TYPE/FIBER COUNT	CATALOG NUMBER	CABLE OUTER DIAMETER (MM/IN)	SUBUNITS	MAXIMUM VERTICAL RISE (M/FT)	MAXIMUM BEND RADIUS		MAXIMUM TENSILE LOAD		WEIGHT (KG/GM) (LBS/KFT)
					LOADED (CM/IN)	UN-LOADED (CM/IN)	SHORT TERM (N/LBS)	LONG TERM (N/LBS)	
2–60 Fibers	B-XXX-LN-XY-FZZNS/16G	5.5 0.21	5	493 1,619	8.2 3.2	5.5 2.1	324 73	97.2 22	20 14
62–72 Fibers	B-XXX-LN-XY-FZZNS/16G	6.0 0.23	6	729 2,390	8.9 3.5	6.8 2.7	600 135	180 40	25 17
74–96 Fibers	B-XXX-LN-XY-FZZNS/16G	7.0 0.28	8	1,185 3,886	11.0 4.3	11.0 4.3	1490 335	447 100	39 26
98–120 Fibers	B-XXX-LN-XY-FZZNS/16G	8.1 0.32	10	930 3,050	12.1 4.8	11.0 4.3	1512 340	453.6 102	50 33
122–144 Fibers	B-XXX-LN-XY-FZZNS/16G	9.1 0.36	12	772 2,531	13.7 5.4	11.0 4.3	1566 352	469.8 106	62 42

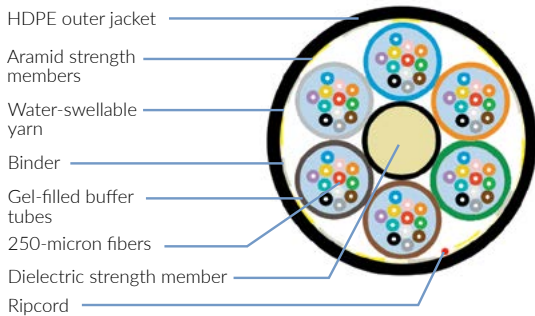
Variables in the catalog number

**XXX** = Total fiber count  
**ZZ** = Number of fibers per tube

Buffer tubes/fiber identification colors: 1/Blue, 2/Orange, 3/Green, 4/Brown, 5/Slate, 6/White, 7/Red, 8/Black, 9/Yellow, 10/Violet, 11/Rose, 12/Aqua

## Stranded loose tube all-dielectric

(72-fiber cable shown)



Drawings not to scale

Specifications are subject to change without notice.

Environmental specifications	
Installation temperature	-15° to 40°C
Operating temperature	-30° to +70°C
Storage temperature	-40° to +70°C

Specifications are subject to change without notice.

Mechanical test specifications		
Test	Requirement	Test method
Compression	10N/MM; 57 lbf/in.	IEC 60794-1-2-E3
Flex	25 cycles	IEC 60794-1-2-E6
Twist	10 cycles	IEC 60794-1-2-E7
Strain	See long & short tensile loads	IEC 60794-1-2-E1A and E1B
Water penetration	24 hours	IEC 60794-1-2-F5

CommScope optical cables are qualified under the general guidelines to the following specifications: IEC 60794

Everyone communicates. It's the essence of the human experience. *How* we communicate is evolving. Technology is reshaping the way we live, learn and thrive. The epicenter of this transformation is the network—our passion. Our experts are rethinking the purpose, role and usage of networks to help our customers increase bandwidth, expand capacity, enhance efficiency, speed deployment and simplify migration. From remote cell sites to massive sports arenas, from busy airports to state-of-the-art data centers—we provide the essential expertise and vital infrastructure your business needs to succeed. The world's most advanced networks rely on CommScope connectivity.



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