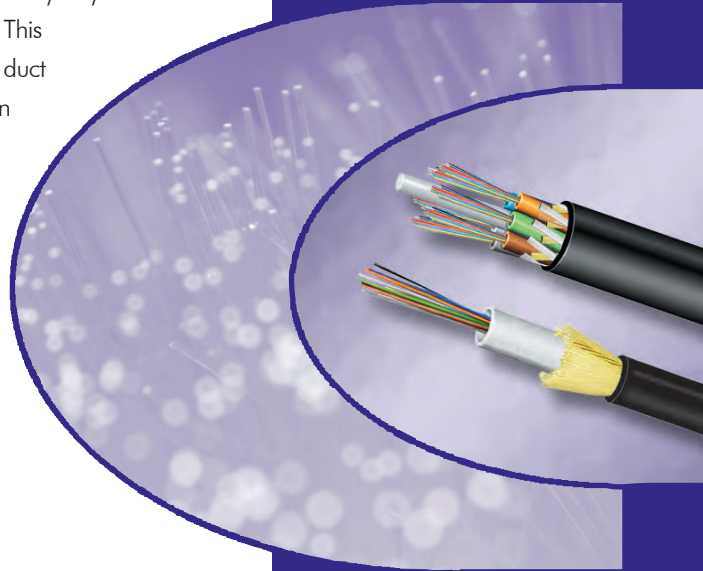


## Air-Blown Micro Cable

### Stranded Loose Tube All-Dielectric Central Tube All-Dielectric

CommScope introduces a new family of cost effective fiber optic micro cables designed for air blown installations 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.

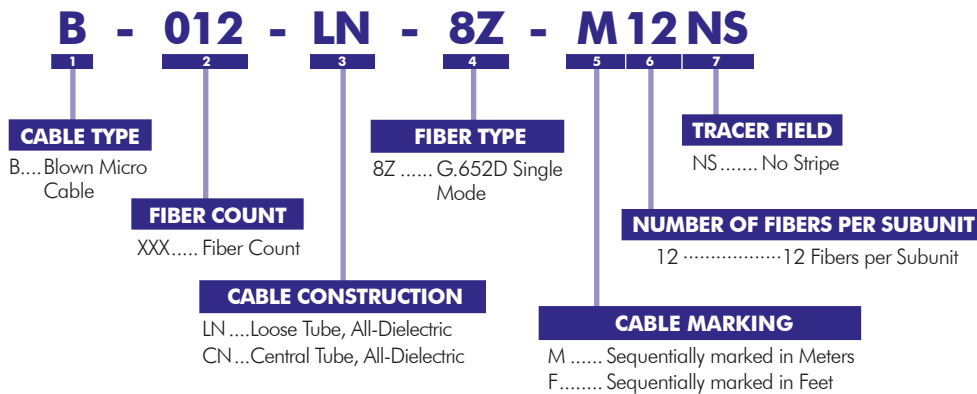
CommScope’s air-blown micro cable product portfolio includes both a stranded loose tube and central tube design. The stranded loose tube design is available in counts up to 144 with outer diameters varying from 5.6mm - 8.2mm. Stranded loose tube cable provides easy, mid-span access. The central tube design is available in counts up to 24 with outer diameters ranging from 3.5mm to 4.2mm. This compact, lightweight cable design is installer-preferred in access applications due to ease of handling. Both cable constructions are qualified under the general guidelines of IEC 60794.





#### Feature and Benefits

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

#### Air-Blown Micro Cable Product Description Matrix



## Physical Specifications

Product Type/ Fiber Count	Catalog Number	Cable Outer Diameter mm	Subunits	Minimum Bend Radius		Max. Tensile Loading		Weight kg/km
				Loaded cm	Unloaded cm	Short Term	Long Term	
<b>Central Tube All-Dielectric 2 - 12 Fibers</b> 	B- <b>XXX</b> -CN-8Z-M <b>ZZ</b> NS	3.5	1	7.0	3.5	0.5W	0.15W	18
<b>14 - 24 Fibers</b>	B- <b>XXX</b> -CN-8Z-M <b>ZZ</b> NS	4.2	1	8.4	4.2	0.5W	0.15W	30
<b>Stranded Loose Tube All-Dielectric 2 - 72 Fibers</b> 	B- <b>XXX</b> -LN-8Z-M <b>ZZ</b> NS	5.6	6	11.2	5.6	0.5W	0.15W	81
<b>74 - 96 Fibers</b>	B- <b>XXX</b> -LN-8Z-M <b>ZZ</b> NS	6.4	8	12.8	6.4	0.5W	0.15W	116
<b>98 - 144 Fibers</b>	B- <b>XXX</b> -LN-8Z-M <b>ZZ</b> NS	8.2	12	16.4	8.2	0.5W	0.15W	164

### Variables in the Catalog Number:

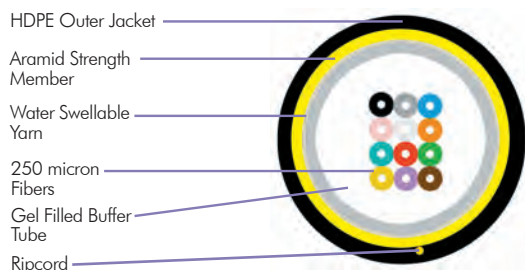
**XXX** = Total Fiber Count

**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

## Central Tube All-Dielectric

12 Fiber Cable Shown



### Environmental Specifications for Central Tube All-Dielectric

Installation Temperature	-10° to +50°C
Operating Temperature	-30° to +70°C
Storage Temperature	-30° to +70°C

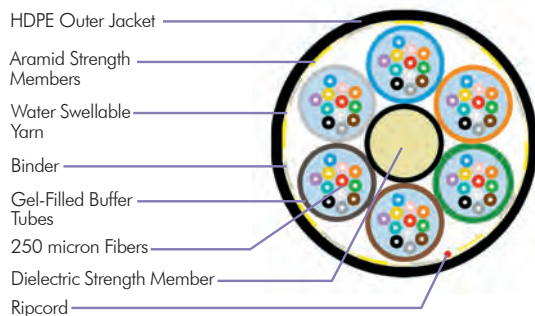
### Mechanical Test Specifications for Central Tube All-Dielectric

Test	Requirement	Test Method
Crush	Short Term: 450N, Long Term: 150N	IEC 60794-1-2-E3
Bending	25N for 25 Cycles	IEC 60794-1-2-E6
Torsion	45N for 5 Cycles	IEC 60794-1-2-E7
Strain	See long & short term tensile loads	IEC 60794-1-2-E1A and E1B
Water Penetration	1 Hour	IEC 60794-1-2-F5

CommScope Optical Cables are qualified under the general guidelines to the following specifications:  
IEC 60794

## Stranded Loose Tube All-Dielectric

72 Fiber Cable Shown



### Environmental Specifications for Stranded Loose Tube All-Dielectric

Installation Temperature	-15° to +75°C
Operating Temperature	-30° to +70°C
Storage Temperature	-40° to +70°C

### Mechanical Test Specifications for Stranded Loose Tube All-Dielectric

Test	Requirement	Test Method
Crush	Short Term: 450N, Long Term: 150N	IEC 60794-1-2-E3
Bending	25N for 20 Cycles	IEC 60794-1-2-E6
Torsion	45N for 5 Cycles	IEC 60794-1-2-E7
Strain	See long & short term 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

Drawings not to scale  
Specifications subject to change