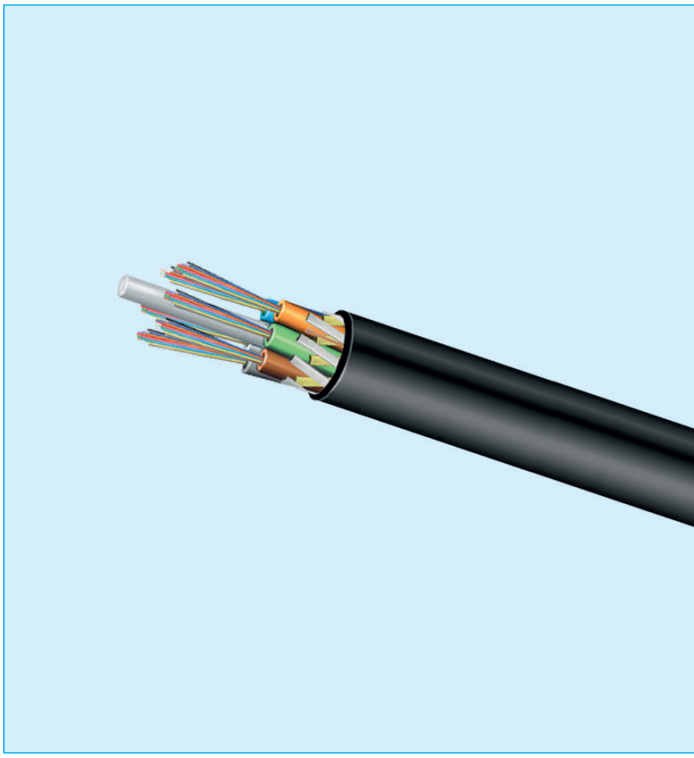
COMMSCOPE®

Air-Blown Micro Cable

Stranded Loose Tube All-Dielectric



CommScope family of cost effective fiber optic micro cables are 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.

The stranded loose tube design is available in counts up to 144 with outer diameters varying from 5.5mm - 9.1mm. 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

Air-Blown Micro Cable Product Description Matrix

B - 012 - LN - 8W - F 12 NS /16G

(1) (2) (3) (4) (5) (6) (7)

CABLE TYPE
B... Blown Micro Cable

FIBER COUNT
XXX... Fiber Count

CABLE CONSTRUCTION
LN.... Loose Tube, All-Dielectric

FIBER TYPE
8W.. G.652D Single Mode

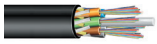
CABLE MARKING
M ...Sequentially marked in Meters
F .....Sequentially marked in Feet

NUMBER OF FIBERS PER SUBUNIT
12...12 Fibers per Subunit

TRACER FIELD
NS... No Stripe

Air-Blown Micro Cable

Physical Specifications

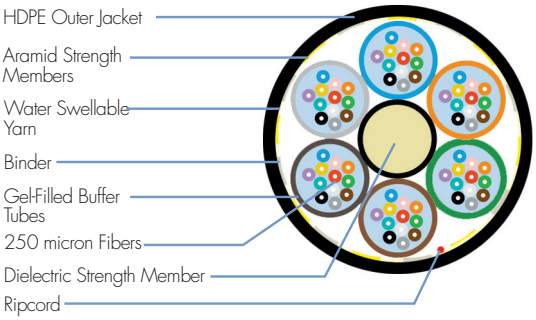
PRODUCT TYPE/ FIBER COUNT	CATALOG NUMBER	CABLE OUTER DIAMETER MM	SUBUNITS	MINIMUM BEND RADIUS		MAXIMUM TENSILE LOADING		WEIGHT KG/ KM
				LOADED CM	UN-LOADED CM	SHORT TERM W=WEIGHT (KG) PER KILOMETER OF CABLE	LONG TERM W=WEIGHT (KG) PER KILOMETER OF CABLE	
Stranded Loose Tube All-Dielectric 2 - 60 Fibers 	B-XXX-8W-FZZNS/16G	5.5	5	8.2	5.5	73	22	20
72 - 96 Fibers	B-XXX-8W-FZZNS/16G	7.0	8	8.9	6.8	135	40	26
122 - 144 Fibers	B-XXX-8W-FZZNS/16G	9.1	12	13.7	11.0	352	106	62

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 subject to change

Environmental Specifications for Stranded Loose Tube All-Dielectric

Installation Temperature	-15° to 40°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
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 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

COMMSCOPE®

www.commscope.com

Visit our website or contact your local CommScope representative for more information.

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