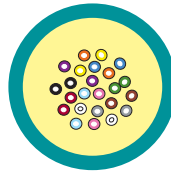
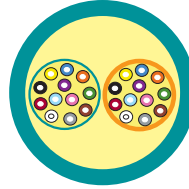


# GenSPEED® Air Blown/Jetting Indoor Cable (MFC Series)

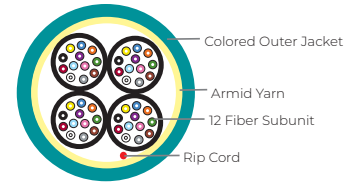
Micro Fiber Cable (MFC) for jetting and air blown installation



24 Fiber Round  
3.0 mm



24 Fiber Round  
3.8 mm



48 Fiber

## OVERVIEW

GenSPEED Micro Fiber Cable for Microducts is the ideal cable for blown and jetted applications in data centers, co-locations, and central office facilities where a small diameter, highly flexible cable is needed for optimal blowing and jetting distances in microducts. GenSPEED offers up to 24 x 250 micron color coated fibers in a 3 mm cable design as well as 12 x 250 micron color coated fibers in 1.4 mm subunits with up to 48 fibers per cable. 3 mm cables and 1.4 mm subunits may be directly terminated to MPO style connectors.

## SPECIFICATIONS / RATINGS

**Applications** Routing and patching for indoor communication network locations.

Blowing and jetting applications into microducts.

**Constructions** 250µm color coded fibers, 12 or 24 fiber groups

**Flame Ratings** Plenum (OFNP/FT6)

**Fiber Count** 8 to 48 Fibers

**Fiber Types** Single-mode and multimode

**Standards** ANSI / ICEA S-83-596, Telcordia GR-409, CE RoHS Compliant

**Registered Supplier** ISO 9001, ISO 14001, TL 9000, and OHSAS 18001



## FEATURES AND BENEFITS

### Blowing and Jetting Applications

- 3.0 to 3.8 mm cables with up to 24 fibers have demonstrated the capability of being blown/jetted into a 6 mm ID plenum microduct with distances over 2000 feet at speeds averaging 230 ft/min.
- 4.5 mm cables with up to 12 fibers have demonstrated the capability of being blown/jetted into an 8 mm ID plenum microduct with distances over 1800 feet at speeds averaging 200 ft/min.
- 5.1 to 5.7 mm cables with up to 48 fibers have demonstrated the capability of being blown/jetted into a 10 mm ID plenum microduct with distances over 1800 feet at speeds averaging 200 ft/min.

### Flexible Routing & Termination

- Very flexible with no preferential bend
- Subunits can be directly terminated to MPO connections
- Compatible with routing in trays, racks and under raised floors in network communication centers
- Enables installation around tight corners and in confined spaces
- Fully compatible with commercially available multi-fiber connectors, such as MPO-

### Flame-Retardant Safety

- NFPA-262/CSA FT6 OFNP Plenum

### Reliable Performance

- Available option for incorporating bend-insensitive single-mode or multimode fibers to address the most challenging placement conditions
- Rugged thermoplastic jacket for crush resistance
- Designed & tested to standards-based performance criteria

# GenSPEED® Air Blown/Jetting Indoor Cable (MFC Series)

Micro Fiber Cable (MFC) for jetting and air blown installation



Fiber Count	Fibers Per Subunit	Recommended Part Number	Diameter		Cable Weight		Bend Radius UNDER LOAD		Bend Radius NO LOAD		Max Installation LOAD (pull strength)		Max Operation LOAD	
		Prysmian*	inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	newtons	lbs	newtons

## Plenum OFNP/FT6 | MFC30 Series

24	single unit	MFC30-00-AA-024-BB**	0.12	3.0	8	12	1.9	4.8	1.3	3.2	100	444	32	142
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## Plenum OFNP/FT6 | MFC Series

8	single unit	MFC-00-AA-008-BB	0.12	3.0	8	11	1.9	4.8	1.3	3.2	22	98	7	31
12	single unit	MFC-00-AA-012-BB	0.12	3.0	8	11	1.9	4.8	1.3	3.2	22	98	7	31
24	single unit	MFC-00-AA-024-BB**	0.15	3.8	10	15	3.0	7.7	1.5	3.9	50	222	16	74

## Plenum OFNP/FT6 | MFC14 Series | (1.4 mm sub-units)

12	1-unit of 12	MFC14-12-AA-012-BB	0.177	4.5	12.5	18.6	3.5	9	1.8	4.5	100	444	32	142
24	2-units of 12	MFC14-12-AA-024-BB	0.200	5.1	18.3	27.2	4.0	11	2.0	5.1	150	667	45	200
48	4-units of 12	MFC14-12-AA-048-BB	0.223	5.7	21.1	31.4	4.6	11.4	2.3	5.7	150	667	45	200

\* Where AA equals glass type and BB equals attenuation code

\*\* fibers 13-24 are band marked for identification

\*\*\* 12 fiber bundles are separated using bundle threads

Outer Jacket Color Identification  
 Orange Multimode OM1 and OM2+  
 Aqua Multimode OM3 and OM4  
 Yellow Single-mode  
 Black Hybrid

### Temperature Range

Shipping and Storage: -40° F to +158° F (-40° C to +70° C)  
 Installation: +32° F to +140° F (0° C to +60° C)  
 Operation: +32° F to +158° F (0° C to +70° C)

## Ordering Guide

The Prysmian part number incorporates several significant attributes involving cable design and optical performance. The appropriate part number can be configured using the process described below

**Example:** GenSPEED 24 fiber MFC30 cable with bend-insensitive singlemode fibers (printed in feet)

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	MFC30	BLANK	00	B1	024	E1

PART NUMBER CONSTRUCTION	
<b>1 LENGTH MARKINGS</b>	F = Feet or M = Meters
<b>2 PRODUCT FAMILY</b>	MFC = 8 to 24f Plenum MFC30 = 248f Plenum MFC14 = 12 to 24 Plenum
<b>3 CONSTRUCTION</b>	(BLANK) = None
<b>4 FIBER GROUPING</b>	00 = single unit (8f to 24f) 12 = 12f per unit or tube (MFC14)
<b>5 FIBER TYPE</b>	<b>SINGLE-MODE</b> HB = Single-Mode (ITU G.652.C & D) - MFC only B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D) - not for use in MFC14 B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)

FIBER INFORMATION				
5 FIBER TYPE				
MULTIMODE	Wavelength (nm)	Bandwidth (MHz)	1 GbE Dist (m)	10 GbE Dist (m)
G6 = OM1 (62.5µm)	850/1300	200/500	300/550	33/___
G5 = OM2+ (50µm)	850/1300	700/500	800	150/___
G3 = OM3 (50µm)	850/1300	1500/500	1000	300/___
G4 = OM4 (50µm)	850/1300	3500/500	1100	550/___
GW = OM5 (50µm)	850/1300	3500/500	1200	550/___
6 FIBER COUNT				
8 to 48 fibers				
7 FIBER GRADE				
SINGLE-MODE				
Attenuation (dB/km)	Wavelength (nm)		Fiber Type	
E1 = 0.40/0.40/0.30	1310/1383/1550		HB, B1 or B2	
MULTIMODE				
Attenuation (dB/km)	Wavelength (nm)			
M2 = 3.5/1.0	850/1300			
M3 = 3.0/1.0	850/1300			

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help. Other cable constructions and fiber performance grades available on request.



## Prysmian

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