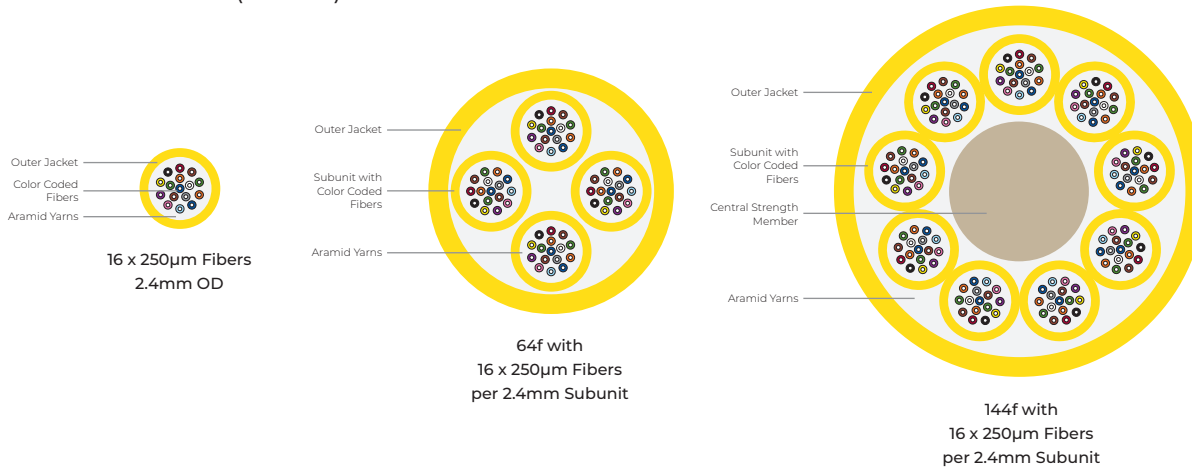


# GenSPEED® Micro Fiber MFC 2.4mm Units Plenum Rated

Micro Fiber Cable (MFC24)



## OVERVIEW

GenSPEED MFC is the ideal cable for data center, co-location and central office facilities where a small diameter, highly flexible cable is desired. GenSPEED MFC cables include compact 2.4mm subunits that can be directly terminated to MPO style connectors.

## SPECIFICATIONS / RATINGS

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

**Subunit Size** 2.4mm diameter

**Fiber** 250µm fibers for 16f Units

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

**Fiber Count** 16 to 144 Fibers

**Fiber Types** Single-mode

**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

### 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

- Rugged thermoplastic jacket for crush resistance
- Designed and tested to standards-based performance criteria



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Fiber Count	Fibers Per Unit	Prysmian Part Number	Diameter		Cable Weight		Bend Radius UNDER LOAD (Installation)		Bend Radius NO LOAD (Long Term)		Max Installation LOAD (Pull Strength)		Max Operation LOAD		Max Reel Length	
			inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	newtons	lbs	newtons	ft	m

MFC24 - 250µm 16 Fibers per Subunit OFNP/FT6

16	16	MFC24-00-AA-016-BB	0.09	2.4	4	6	1.9	4.8	0.9	2.4	22	98	7	31	41,000	12,500
64	16	MFC24-16-AA-064-BB	0.34	8.7	46	68	6.8	17.4	3.4	8.7	150	668	45	200	41,000	12,500
144	16	MFC24-16-AA-144-BB	0.50	12.7	125	176	9.4	24.0	4.7	12.0	150	668	45	200	41,000	12,500

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

### Outer Jacket Color Identification

Yellow Single-mode

### 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)



# GenSPEED® Micro Fiber MFC

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### 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 144 fiber micro fiber MFC cable, 2.4mm subunits, with bend-insensitive single mode 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		MFC24		BLANK		16		B2		144		E1

PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY
MFC24 = Plenum OFP/FT6 Rated Dielectric Cable	
3	CONSTRUCTION
(BLANK) = None	
4	FIBER GROUPING
00 = Single Unit	
16 = 16f per unit (250µm)	

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.

FIBER INFORMATION		
5	FIBER TYPE	
SINGLE-MODE		
B2 = 250µm Bend-Insensitive Single-Mode (ITU.G.657.A2&B2 & G.652.D)		
6	FIBER COUNT	
16 to 144 fibers		
7	FIBER GRADE	
SINGLE-MODE		
Attenuation (dB/km)		Fiber Type
E1 = 0.40/0.40/0.30		B2

