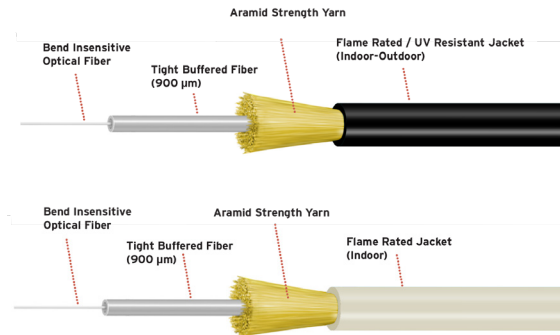


GenSPEED® Interconnect MDU Drop Cable

Riser and Plenum rated

Prysmian



OVERVIEW

This GenSPEED Interconnect MDU Drop Cable family combines a 900µm tight buffered bend-insensitive fiber with robust, flame retardant cable constructions. Cable designs are available in both riser rated and plenum rated versions for deployment in any indoor application. A riser rated indoor-outdoor version incorporates water-blocking performance and a UV stabilized outer jacket.

SPECIFICATIONS / RATINGS

- Applications** Establishes the service connection for optical telecommunications services to Multi-Dwelling Units (MDU) that typically requires routing in confined locations requiring multiple tight bends
- Constructions** 1 fiber (simplex) in standard (2.9mm OD) and heavy duty (4.8mm OD) Designs
- Flame Ratings** Riser (OFNR / FT4); Plenum (OFNP / FT6)
- Fiber Count** 1 Fiber
- Fiber Types** Single-mode (bend-insensitive)
- Jacket Colors** Indoor (ivory, white, yellow)
Indoor-Outdoor (black)
- Standards** ANSI/ICEA S-83-596, UL 1666, NFPA-262, CSA C22.2 No 230, Telcordia GR-409, RoHS Compliant
- Registered Supplier** ISO 9001, ISO 14001, TL 9000, and OHSAS 18001



FEATURES AND BENEFITS

- 900µm tight buffered fibers designed to support rapid termination
- Available in standard (2.9mm) and ruggedized (4.8mm) designs
- Can be attached to structural elements with “off-the-shelf” cable staples
- Specifically designed to allow placement in tight 90 degree bends and small diameter slack loops
- Flexible, flame-retardant, and abrasion resistant outer jacket
- Neutral jacket colors aid in conforming to aesthetic demands
- Fully compatible with G.652.D single-mode fiber

Temperature Range

Shipping and Storage:	(Riser)	-40° F to +158° F	(-40° C to +70° C)
	(Plenum)	-40° F to +158° F	(-40° C to +70° C)
Installation/Handling:	(Riser)	+14° F to +140° F	(-10° C to +60° C)
	(Plenum)	+32° F to +140° F	(0° C to +60° C)
Operation:	(Riser & 2.9mm Plenum)	-40° F to +158° F	(-40° C to +70° C)
	(4.8mm Plenum)	+32° F to +120° F	(0° C to +50° C)

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TLS-DS-B-601-0721

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Ordering Guide

The Prysmian Group 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 Interconnect MDU Drop Cable | indoor-outdoor riser | 4.8mm MDU drop cable | 1 bend-Insensitive single-mode fiber (printed in feet)

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	MDU548BK	(NA)	00	B2	001	E7

PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY
GenSPEED Interconnect (1 Fiber) Specialty Applications -Multi Dwelling Unit (MDU)	
Indoor Riser /OFNR / FT4 (Tight Buffered)	
MDU529xx = Interconnect Riser Standard MDU Drop	
MDU548xx = Interconnect Riser Heavy Duty MDU Drop	
Indoor-Outdoor Riser /OFNR / FT4 (Tight Buffered)	
MDU548BK = Interconnect Riser I/O Heavy Duty MDU Drop	
Indoor Plenum / OFNP / FT6 (Tight Buffered)	
MDU829xx = Interconnect Plenum Standard MDU Drop	
MDU848xx = Interconnect Plenum Heavy Duty MDU Drop	
3	CONSTRUCTION
(BLANK) = None	
4	FIBER GROUPING
00 = No grouping	

"xx" indicates jacket color. Available options are Ivory (IV), white (WH), and yellow (YL)

FIBER INFORMATION		
5	FIBER TYPE	
SINGLE-MODE		
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)		
B3 = 5mm Performance Bend-Insensitive Single-Mode (ITU G.657.B3 & G.652.D)		
6	FIBER COUNT	
1 fiber		
7	FIBER GRADE	
SINGLE-MODE		
Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E7 = 0.4/0.4/0.3	1310/1383/1550	Bend Insensitive Single-Mode

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.

GenSPEED Interconnect Riser (Indoor) | MDU Series | OFNR/FT4

Fiber Count	Recommended Part Number	Number of Buffer Tubes	Diameter		Cable Weight		Bend Radius UNDER LOAD		Bend Radius NO LOAD		Max Installation LOAD (pull strength)		Max Operation LOAD	
			inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	newtons	lbs	newtons
1	MDU529xx-00-AA-001-BB	single-unit	0.114	2.9	5	8	0.2	5	0.2	5	50	220	15	66
1	MDU548xx-00-AA-001-BB	single-unit	0.189	4.8	14	22	0.2	5	0.2	5	100	450	30	135

GenSPEED Interconnect Plenum (Indoor) | MDU Series | OFNP/FT6

1	MDU829xx-00-AA-001-BB	single-unit	0.114	2.9	5	8	0.2	5	0.2	5	50	220	15	66
1	MDU848xx-00-AA-001-BB	single-unit	0.189	4.8	14	22	0.2	5	0.2	5	100	450	30	135

GenSPEED Interconnect Riser (Indoor-Outdoor) | MDU Series | OFNR/FT4

1	MDU548BK-00-AA-001-BB	single-unit	0.189	4.8	14	22	0.2	5	0.2	5	100	450	30	135
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*Where AA equals glass type and BB equals attenuation code

- Notes: (1) "xx" indicates jacket color. Available options are Ivory (IV), white (WH), and yellow (YL)
 (2) 7.5mm using B2 bend-insensitive; 5mm performance with B3 bend-insensitive
 (3) I/O cables have black jacket color for UV protection

Note: Cable damage may occur if installation temperature limits are exceeded; therefore, Prysmian Group recommends storing I/O cables in appropriate temperature conditions ≥ 24 hours prior to placement.



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