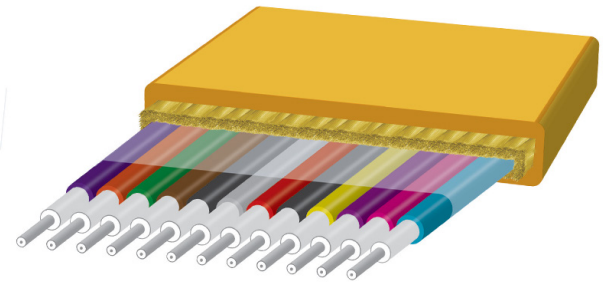
Gen*SPEED*® Ribbon Interconnect

High density interconnect ribbon cable

Prysmian



OVERVIEW

Prysmian's Gen*SPEED*® Ribbon Interconnect cable is the perfect indoor fiber cable for easy routing and patching in space constrained applications. Frequently used in data centers, multi-dwelling units and central offices. Gen*SPEED*® Ribbon Interconnect combines a compact rectangular shape, a tight tolerance 12 fiber ribbon and the leading bend insensitive fiber into a single cable solution.

SPECIFICATIONS / RATINGS

Applications	Multi-fiber interconnections. Frequently used for patching between equipment / panels in data centers, SAN, central offices, wall outlets, communication closets and head ends
Constructions	12 fibers in a ribbon (planar) arrangement, encased with aramid strength yarns and a flexible flame
Flame Rating	Plenum (OFNP / FT6)
Fiber Count	12
Fiber Types	Single-mode / bend-insensitive single-mode / bend-Insensitive multimode fibers 50/125-OM2+, OM3 and OM4
Standards	ANSI / ICEA S-83-596, Telcordia GR-409, RoHS Compliant
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

FEATURES AND BENEFITS

Compact Cable Design

- 12 fiber ribbon in a flame retardant jacket
- Easily routed in restricted spaces and cable management raceway
- Rectangular design lays flat against wall surfaces

Compatible with Multi-fiber Connectors

- Designed for use with multi-fiber MT/MPO style connectors
- Suitable for use with fan-out kits

Flame-Retardant Safety

- NFPA-262/CSA
- OFNP / FT-6

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TLS-DS-C-601-0721

GenSPEED® Ribbon Interconnect | Plenum FRP Series | OFNP/FT-6 Rated

Fiber Count	Diameter		Approx. Cable Weight		Bend Radius Load		Bend Radius No Load		Max. Reel Installation Load (Pull Strength)		Max. Operation Load	
	Inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	newtons	lbs	newtons
12	.180 x .088	4.6 x 2.2	7.1	10.6	2	8.5	1	2.5	50	220	15	66

Installation
Maximum installation load: 50 lbf (220 N)
Maximum operation load: 15 lbf (66 N)

Temperature Range
Shipping and Storage: -4° F to +176° F (-20° C to +80° C)
Installation: +32° F to +122° F (0° C to +50° C)
Operation: +32° F to +158° F (0° C to +70° C)

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® Ribbon | plenum flat Interconnect with 12 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	– FRP	BLANK	– 12	– B2	– 012	– E1

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS
F = Feet or M = Meters

2 PRODUCT FAMILY
FRP = 12f GenSPEED® Ribbon Plenum Flat Interconnect

3 CONSTRUCTION
(Blank) = None

4 FIBER GROUPING
12 = 12f

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE
HB = Enhanced Single-Mode (ITU G.652 C & D)
B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)0
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)

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+ BIF (50µm)	850/1300	700/500	800	150/__
G3 = OM3 BIF (50µm)	850/1300	1500/500	1000	300/__
G4 = OM4 BIF (50µm)	850/1300	3500/500	1100	550/__

6 FIBER COUNT
012 fiber

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)	Fiber Type
M2 = 3.5/1.0	850/1300	OM1 (62.5µm)
M3 = 3.0/1.0	850/1300	OM2+, OM3, OM4 (50µm)

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