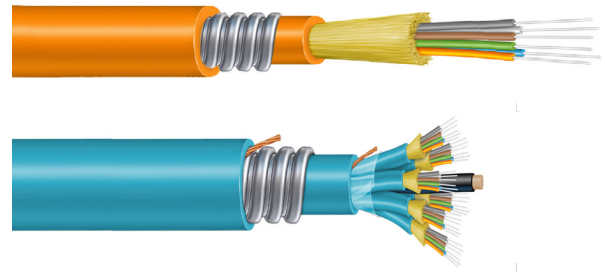
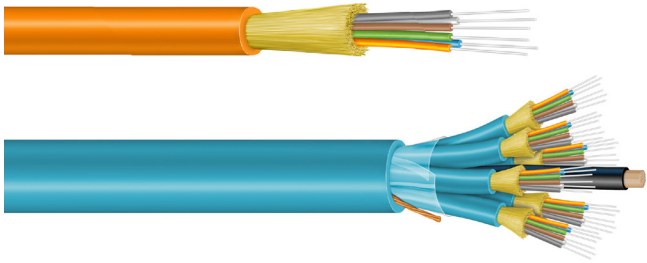


GenSPEED® Distribution Indoor Tight Buffered

Riser and plenum cables

Prysmian



OVERVIEW

This Prysmian GenSPEED Distribution cable family packages up to 144 color-coded 900µm tight buffered fibers into a single flame retardant cable. This cable design is available in both riser rated and plenum rated versions for deployment in any indoor application. The tight buffered distribution cable supports standard installation practices and may be easily terminated using established field connectorization methods.

SPECIFICATIONS / RATINGS

Applications Versatile indoor flame-rated cable providing unsurpassed performance for intrabuilding applications that require crossing floors in multi-level buildings or placement in air handling spaces

Constructions Single-Unit ($\leq 24f$); subunits ($\geq 18f$); interlock armor optional

Fiber Count 2 to 144 (Riser) and 2 to 96 (Plenum)

Fiber Types Single-mode (ESMF, bend-insensitive), Multimode (62.5/125-OM1, 50/125-OM2+, OM3 & OM4)

Standards ANSI/ICEA S-83-596, UL-1666, NFPA 262, CSA 22.2 No 230, Telcordia GR-409, CE RoHS Compliant

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



FEATURES AND BENEFITS

Easy Cable Installation and Termination

- 900µm tight buffered fibers designed to support rapid field termination
- Industry standard color coding for quick, error-free fiber identification
- Single-unit designs provide space savings and cost advantages
- Available with bend-insensitive single-mode and multimode optical fibers
- Subunit construction improves organization and termination practices
- Flexible, flame-retardant & color coded outer jacket
- Optional interlock armor provides robust protection and supports one-step installation
- Supports all high performance networks including OM4/10 gigabit ethernet systems

Safety Ratings

- Riser rated design complies with UL1666 & UL1685/IEEE1202; OFNR and OFNG-FT4 rated
- Plenum rated design complies with NFPA 262; OFNP/FT6 rated

Prysmian

A Brand of Prysmian Group

Prysmian Group

4 Tesseneer Drive, Highland Heights, KY 41076
+1-859-572-8000 / na.prysmiangroup.com
TLS-DS-C-302-1023

GenSPEED® Distribution Indoor Tight Buffered

Riser and plenum cables



GenSPEED Distribution Indoor Riser 400 Series OFNR/FT4

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		Fibers per Unit	Diameter		Cable Weight		Bend Radius UNDER LOAD		Bend Radius NO LOAD		Max Installation LOAD (pull strength)		Max Operation LOAD	
		Prysmian*	General Cable**		inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	newtons	lbs	newtons
2-6	2	400-00-AA-002-BB	XX0021PNR	single-unit	0.19	4.8	15	22	3.8	9.6	1.9	4.8	150	660	45	200
8	8	400-00-AA-008-BB	XX0081PNR	single-unit	0.21	5.4	17	26	4.2	10.8	2.1	5.4	150	660	45	200
12	12	400-00-AA-012-BB	XX0121PNR	single-unit	0.24	6.2	23	34	4.8	12.4	2.4	6.2	150	660	45	200
18	18	400-00-AA-018-BB	XX0181PNR	single-unit	0.31	7.8	36	53	6.2	15.6	3.1	7.8	300	1320	90	400
24	24	400-00-AA-024-BB	XX0241PNR	single-unit	0.32	8.1	43	64	6.4	16.2	3.2	8.1	300	1320	90	400
18-24	24	400-06-AA-024-BB	XX0241PIR	6	0.56	14.1	122	181	11.2	28.2	5.6	14.1	300	1320	90	400
36-48	48	400-12-AA-048-BB	XX0481PIR	12	0.57	14.5	130	193	11.4	29.0	5.7	14.5	300	1320	90	400
72	72	400-12-AA-072-BB	XX0721PIR	12	0.71	18.0	185	276	14.2	36.0	7.1	18.0	300	1320	90	400
96	96	400-12-AA-096-BB	XX0961PIR	12	0.85	21.6	272	405	17.0	43.2	8.5	21.6	300	1320	90	400
144	144	400-12-AA-144-BB	XX1441PIR	12	0.87	22.1	298	444	17.4	44.2	8.7	22.1	300	1320	90	400

GenSPEED Distribution Indoor Plenum 800 Series OFNP/FT6

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		Fibers per Unit	Diameter		Cable Weight		Bend Radius UNDER LOAD		Bend Radius NO LOAD		Max Installation LOAD (pull strength)		Max Operation LOAD	
		Prysmian*	General Cable**		inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	newtons	lbs	newtons
2-6	2	800-00-AA-002-BB	XX0021PNU	single-unit	0.19	4.8	16	24	3.8	9.6	1.9	4.8	100	440	30	150
8	8	800-00-AA-008-BB	XX0081PNU	single-unit	0.21	5.4	19	28	4.2	10.8	2.1	5.4	100	440	30	150
12	12	800-00-AA-012-BB	XX0121PNU	single-unit	0.24	6.2	24	35	4.8	12.4	2.4	6.2	100	440	30	150
18	18	800-00-AA-018-BB	XX0181PNU	single-unit	0.26	6.5	32	48	5.2	13.0	2.6	6.5	150	660	45	200
24	24	800-00-AA-024-BB	XX0241PNU	single-unit	0.30	7.6	42	62	6.0	15.2	3.0	7.6	150	660	45	200
18-24	24	800-06-AA-024-BB	XX0241PID	6	0.46	11.6	83	124	9.2	23.2	4.6	11.6	150	660	45	200
36-48	48	800-12-AA-048-BB	XX0481PID	12	0.62	15.7	166	247	12.4	31.4	6.2	15.7	150	660	45	200
72	72	800-12-AA-072-BB	XX0721PID	12	0.79	19.9	257	382	15.8	39.8	7.9	19.9	150	660	45	200
96	96	800-12-AA-096-BB	XX0961PID	12	0.91	23.1	356	530	18.2	46.2	9.1	23.1	150	660	45	200

*Where AA equals glass type and BB equals attenuation code

**Where XX equals glass type

Outer Jacket Colors

- Orange Jacket: Multimode fiber (OM1, OM2+)
- Aqua Jacket: 10 GbE multimode fiber (OM3, OM4)
- Yellow Jacket: Single-mode fiber
- Black Jacket: Hybrid fiber types

Temperature Range

- Shipping and Storage: (Riser) -40° F to +176° F (-40° C to +80° C)
(Plenum) -40° F to +176° F (-40° C to +80° C)
- Installation: (Riser) +14° F to +140° F (-10° C to +60° C)
(Plenum) +32° F to +140° F (0° C to +60° C)
- Operation: (Riser) -4° F to +176° F (-20° C to +80° C)
(Plenum) +32° F to +176° F (0° C to +80° C)



A Brand of Prysmian Group

Prysmian Group

4 Tesseneer Drive, Highland Heights, KY 41076
+1-859-572-8000 / na.prysmiangroup.com
TLS-DS-C-302-1023

GenSPEED Distribution Indoor Riser 400AJ Series OFCR/FT4

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		Fibers per Unit	Diameter		Cable Weight		Bend Radius UNDER LOAD		Bend Radius NO LOAD		Max Installation LOAD (pull strength)		Max Operation LOAD	
		Prysmian*	General Cable**		inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	newtons	lbs	newtons
2-6	2	400AJ-00-AA-002-BB	XX0021PNR ILRA	single-unit	0.52	13.2	128	190	10.4	26.4	5.2	13.2	150	660	45	200
8	8	400AJ-00-AA-008-BB	XX0081PNR ILRA	single-unit	0.54	13.8	105	156	10.8	27.6	5.4	13.8	150	660	45	200
12	12	400AJ-00-AA-012-BB	XX0121PNR ILRA	single-unit	0.57	14.6	119	177	11.4	29.2	5.7	14.6	150	660	45	200
18	18	400AJ-00-AA-018-BB	XX0181PNR ILRA	single-unit	0.62	15.6	149	222	12.4	31.2	6.2	15.6	300	1320	90	400
24	24	400AJ-00-AA-024-BB	XX0241PNR ILRA	single-unit	0.63	16.0	161	240	12.6	32.0	6.3	16.0	300	1320	90	400
18-24	24	400AJ-06-AA-024-BB	XX0241P1R ILRAS	6	0.89	22.5	341	507	17.7	45.0	8.9	22.5	300	1320	90	400
36-48	48	400AJ-12-AA-048-BB	XX0481P1R ILRAS	12	0.90	22.9	349	519	18.0	45.8	9.0	22.9	300	1320	90	400
72	72	400AJ-12-AA-072-BB	XX0721P1R ILRAS	12	1.04	26.4	451	671	20.8	52.8	10.4	26.4	300	1320	90	400
96	96	400AJ-12-AA-096-BB	XX0961P1R ILRAS	12	1.18	30.0	585	870	23.6	60.0	11.8	30.0	300	1320	90	400
144	144	400AJ-12-AA-144-BB	XX1441P1R ILRAS	12	1.20	30.5	617	918	24.0	61.0	12.0	30.5	300	1320	90	400

GenSPEED Distribution Indoor Plenum 800AJ Series OFCP/FT6

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		Fibers per Unit	Diameter		Cable Weight		Bend Radius UNDER LOAD		Bend Radius NO LOAD		Max Installation LOAD (pull strength)		Max Operation LOAD	
		Prysmian*	General Cable**		inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	newtons	lbs	newtons
2-6	2	800AJ-00-AA-002-BB	XX0021PNU ILPA	single-unit	0.47	11.9	87	130	9.4	23.8	4.7	11.9	100	440	30	150
8	8	800AJ-00-AA-008-BB	XX0081PNU ILPA	single-unit	0.48	12.1	91	135	9.6	24.2	4.8	12.1	100	440	30	150
12	12	800AJ-00-AA-012-BB	XX0121PNU ILPA	single-unit	0.51	13.0	95	142	10.2	26.0	5.1	13.0	100	440	30	150
18	18	800AJ-00-AA-018-BB	XX0181PNU ILPA	single-unit	0.54	13.6	114	170	10.8	27.2	5.4	13.6	150	660	45	200
24	24	800AJ-00-AA-024-BB	XX0241PNU ILPA	single-unit	0.58	14.7	131	195	11.6	29.4	5.8	14.7	150	660	45	200
18-24	24	800AJ-06-AA-024-BB	XX0241P1D ILPAS	6	0.73	18.6	167	248	14.6	37.2	7.3	18.6	150	660	45	200
36-48	48	800AJ-12-AA-048-BB	XX0481P1D ILPAS	12	0.92	23.4	370	550	18.4	46.8	9.2	23.4	150	660	45	200
72	72	800AJ-12-AA-072-BB	XX0721P1D ILPAS	12	1.09	27.7	502	747	21.8	55.4	10.9	27.7	150	660	45	200
96	96	800AJ-12-AA-096-BB	XX0961P1D ILPAS	12	1.21	30.7	642	955	24.2	61.4	12.1	30.7	150	660	45	200

*Where AA equals glass type and BB equals attenuation code

**Where XX equals glass type

Outer Jacket Colors

- Orange Jacket: Multimode fiber (OM1, OM2+)
- Aqua Jacket: 10 GbE multimode fiber (OM3, OM4)
- Yellow Jacket: Single-mode fiber
- Black Jacket: Hybrid fiber types

Temperature Range

- Shipping and Storage: (Riser) -40° F to +176° F (-40° C to +80° C)
(Plenum) -40° F to +176° F (-40° C to +80° C)
- Installation: (Riser) +14° F to +140° F (-10° C to +60° C)
(Plenum) +32° F to +140° F (0° C to +60° C)
- Operation: (Riser) -4° F to +176° F (-20° C to +80° C)
(Plenum) +32° F to +176° F (0° C to +80° 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 Distribution tight buffered | indoor riser | single-unit | 12-62.5/125 multimode fibers (printed in feet)



PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY
Riser FT4 400 = ezDISTRIBUTION Indoor Riser Tight Buffer Flame Rating: OFNR/FT4 Fiber Count 2 to 144	
Plenum FT6 800 = ezDISTRIBUTION Indoor Plenum Tight Buffer Flame Rating: OFNP/FT6 Fiber Count 2 to 96	
3	CONSTRUCTION
(BLANK) = None	
AJ = Jacketed aluminum OFCR FT4 or OFCP FT6	
SJ = Jacketed steel OFCR FT4 or OFCP FT6	
4	FIBER GROUPING
00 = Single unit	
06 = 6f per subunit	
12 = 12f per subunit	

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 = Single-Mode (ITU G.652 C & D) Low Water Peak																										
B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)																										
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)																										
MULTIMODE																										
	<table border="1"> <thead> <tr> <th></th> <th>Wavelength (nm)</th> <th>Bandwidth (MHz)</th> <th>1 GbE Dist (m)</th> <th>10 GbE Dist (m)</th> </tr> </thead> <tbody> <tr> <td>G6 = OM1 (62.5µm)</td> <td>850/1300</td> <td>200/500</td> <td>300/550</td> <td>33/___</td> </tr> <tr> <td>G5 = OM2+ BIF (50µm)</td> <td>850/1300</td> <td>700/500</td> <td>800</td> <td>150/___</td> </tr> <tr> <td>G3 = OM3 BIF (50µm)</td> <td>850/1300</td> <td>1500/500</td> <td>1000</td> <td>300/___</td> </tr> <tr> <td>G4 = OM4 BIF (50µm)</td> <td>850/1300</td> <td>3500/500</td> <td>1100</td> <td>550/___</td> </tr> </tbody> </table>		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/___
	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																									
2 to 144 fibers - Riser																										
2 to 96 fibers - Plenum																										
7	FIBER GRADE																									
SINGLE-MODE																										
Attenuation (dB/km)	Wavelength (nm) Fiber Type																									
EB = 0.7/0.7/0.7	1310/1383/1550 Single-Mode																									
EA = 0.5/0.5/0.5	1310/1383/1550 Bend Insensitive Single-Mode																									
E7 = 0.4/0.4/0.3	1310/1383/1550 Bend Insensitive Single-Mode																									
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)																									

Other cable constructions and fiber performance grades available on request.