

# Inside Plant

# PremisesLink™ Simplex

For Horizontal Runs, Patch Cords, Jumpers and Pigtails

## Features and Benefits

### Buffered Fibers

- > High quality buffering offers ease of stripping while maintaining optical performance

### Compact Design

- > Small diameter and flexible jackets allow for routing in tight spaces such as panels, cable trays and fiber to the desk applications

### Versatile

- > Wide variety of diameters to meet your application needs

### Identification

- > Sheath markings provide positive identification and length verification

### Variety of Options

- > Single-Mode and multimode versions available
- > 850 nm Laser Optimized 50 μm fiber available
- > Riser (OFNR) and Plenum (OFNP) rated versions available
- > Low smoke versions available
- > Other custom options available

### Performance

- > Tested in accordance with GR-409 and ICEA-596
- > Complies with ANSI/EIA/TIA 568B.3
- > The complete cable and all subcomponents are RoHS-compliant

### Registered Supplier

- > ISO 9001, ISO 14001, and TL 9000

## Performance Specifications



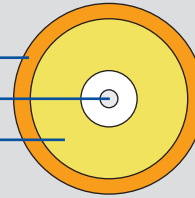
Fiber Count	Cable Diameter (mm)		Tensile Rating-- Installation		Tensile Rating-- Service	
	Riser	Plenum	Riser	Plenum	Riser	Plenum
1	2.0	2.0	220 N (50 lb)	220 N (50 lb)	67 N (15 lb)	67 N (15 lb)
1	2.5	2.5	220 N (50 lb)	220 N (50 lb)	67 N (15 lb)	67 N (15 lb)
1	2.9	2.9	220 N (50 lb)	220 N (50 lb)	67 N (15 lb)	67 N (15 lb)

Temperature Rating	Riser		Plenum	
	Operation	Installation	Operation	Installation
Operation	-20° to +70° C	-4° to +158° F	-20° to +70° C	-4° to 158° F
Installation	-20° to +70° C	-4° to +158° F	0° to +60° C	32° to 140° F
Storage/ Shipping	-40° to +70° C	-40° to +158° F	-40° to +70° C	-40° to +158° F

<b>Minimum Bend Radius</b>	Installation (full tension): 20 x Cable Diameter	Service (Service Tension): 10 x Cable Diameter
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## CABLE CONSTRUCTION

Flame Retardant Jacket  
Tight Buffered Fiber  
Aramid Strength Yarns



## ORDERING INFORMATION

Select a part number according to the following format:

0001 **1** **2** **3** **4** **5** **6**  
  HN  AH   S

Then, use the following options to complete the part number:

<b>1</b> <b>2</b>	FiberType	Test Wavelengths	Max. Attenuation	MM Bandwidth (MHz*km)	Maximum Link Length (m)
LN	62.5 mm MMF (OM1)	850/1300 nm	3.0/1.0 dB/km	200 (220 RML)/500	300/600 @ 1GbE
LD	Corning InfiniCor® CL1000 62.5 mm MMF (OM1)	850/1300 nm	3.0/1.0 dB/km	385 (RML)/500	500/1000 @ 1GbE
MN	50 mm MMF (OM2)	850/1300 nm	3.0/1.0 dB/km	500/500	600/600 @ 1GbE
MD	Corning ClearCurve® OM2 50 mm MMF	850/1300 nm	3.0/1.0 dB/km	700*/500	150 @ 10GbE (850nm), 750/600 @ 1GbE
TC	Corning ClearCurve® OM3 50 mm MMF	850/1300 nm	3.0/1.0 dB/km	2000*/500	300 @ 10GbE, 1000 @ 1 GbE (850nm only)
TE	Corning ClearCurve® OM4 50 mm MMF	850/1300 nm	3.0/1.0 dB/km	4700*/500	550 @ 10GbE, 1200 @ 1 GbE (850nm only)
HE	Low Water Peak SMF	1310/1383/1550 nm	0.7/0.7/0.7 dB/km	n/a	n/a (consult equipment manufacturer)
ZE	Corning SMF-28e+™	1310/1383/1550 nm	0.7/0.7/0.7 dB/km	n/a	n/a (consult equipment manufacturer)
RH	Corning SMF-28e XB™	1310/1383/1550 nm	0.5/0.5/0.5 dB/km	n/a	n/a (consult equipment manufacturer)

\* Effective Modal Bandwidth is characterized by Differential Mode Delay (DMD) measurement per EIA/TIA-455-220.

Note: if you don't see the fiber you need, please refer to the Fiber Code Addendum or contact us.

### **3** Tight-Buffer OD

S = 600 micron  
T = 900 micron

### **4** Jacket OD (w/ available Ratings & TB ODs)

F = 2.0 mm (All Ratings, 600 & 900 micron)  
D = 2.5 mm (Riser & Plenum, 600 & 900 micron)  
H = 2.9 mm (All Ratings, 600 & 900 micron)

### **5** UL Rating

R = Riser (OFNR)  
P = Plenum (OFNP)  
Z = Riser-Low Smoke (OFNR-LS)

### **6** Jacket Color

N = Orange  
Y = Yellow  
Q = Aqua

### Example:

If you need a Riser-Rated Simplex cable with a 2.9mm yellow jacket and Single-Mode Fiber with 0.7/0.7 dB/km attenuation, order part number 0001HEHNTAHRYSY.

### To place an order, contact us in one of the following ways:

700 Industrial Drive, Lexington SC 29072 - (800) 669-0808 (Inside Sales) - Fax (800) 951-5040 - [comm.cables@prysmian.com](mailto:comm.cables@prysmian.com)