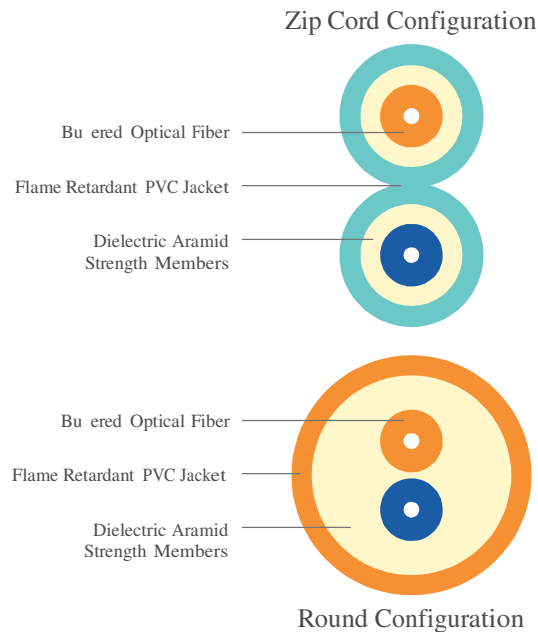


## Simplex, duplex and Quad interconnect OFNR/OFNP



### Product Description

Simplex, Duplex and Quad Optical Fiber Interconnect Cables are typically used for patch cords and intrabuilding installations. Superior Essex designed these cables for environments where small size, flexible construction and flame resistance are required. These cables are available in both riser and plenum versions. Higher performance optical fibers are offered, including bend insensitive G.657.A1 single mode and 10G/300 OM3 and 10G/550 OM4 laser optimized 50  $\mu$ m multimode.

The design consists of flexible tight buffer material extruded over the fiber to a diameter of 900  $\mu$ m for use with standard connectors. Dielectric yarns are applied for additional strength and a flame retardant PVC jacket covers the strength members. Appropriate materials are used to achieve an OFNR (riser) or OFNP (plenum) rating. Standard 2.9 mm and small form factor 2 mm diameters are available for simplex and duplex designs.

### Applications

- Cross-connects and patch applications
- Communication closets to wall outlets
- Drop ceiling applications (plenum)
- Fiber to the work area

### Features

- Simplex and duplex zip cord designs in 2 mm and 2.9 mm diameters
- Round duplex and quad designs
- Marked in feet and meters

### Benefits

- Meets all the requirements for both standard and small form factor connectors for “in-front-of-the-shelf” applications
- Perfect for in-wall and “behind-the-shelf” applications
- Meets commercial, government and international requirements for length markings

### Specifications

Configuration	Flexible tight buffered optical fibers surrounded by aramid yarns and covered by a flame retardant jacket
Strength Elements	Dielectric aramid yarns
Jacket	OFNR: Flame retardant (FR) PVC OFNP: FR, low smoke PVC
Performance Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 262 Telcordia GR-409-CORE, Issue 2 ANSI/CEA S-83-596 ANSI/TIA-568-C.3 RoHS-compliant
NRTL Programs	UL, c(UL) Listed OFNR UL, c(UL) Listed OFNP

### Environmental Specifications

	Riser	Plenum
Operation	-40°C to +75°C	0°C to +75°C
Storage/Shipping	-40°C to +75°C	-40°C to +75°C
Installation	-20°C to +65°C	0°C to +65°C

**Part Numbers and Physical Characteristics**

Listing	Part Number <sup>1</sup>	Configuration	Fiber Type	Fiber Count	Nominal Diameter in (mm)	Nominal Weight lbs/kft (kg/km)	Maximum Tensile Loading		Minimum Bend Radius		Package
							Install lbs (N)	Long Term lbs (N)	Install in (mm)	Long Term in (mm)	
OFNR	133001x101	Round	Single Mode	1	0.11 (2.9)	6 (8)	50 (220)	15 (70)	1.7 (44)	1.1 (29)	Plywood reel
OFNR	1A3001x101	Round	Single Mode	1	0.08 (2.0)	3 (4)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNR	1B3002x101	Zip	Single Mode	2	0.11 x 0.24 (2.9 x 6.2)	8 (12)	100 (440)	30 (130)	1.7 (44)	1.1 (29)	Plywood reel
OFNR	1C3002x101	Zip	Single Mode	2	0.08 x 0.17 (2.0 x 4.2)	6 (9)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNR	133002x101	Round	Single Mode	2	0.20 (5.0)	14 (21)	100 (440)	30 (130)	3.0 (75)	2.0 (50)	Plywood reel
OFNR	133004x101	Round	Single Mode	4	0.20 (5.0)	15 (23)	100 (440)	30 (130)	3.0 (75)	2.0 (50)	Plywood reel
OFNP	134001x101	Round	Single Mode	1	0.11 (2.9)	6 (9)	50 (220)	15 (70)	1.7 (44)	1.1 (29)	Plywood reel
OFNP	1A4001x101	Round	Single Mode	1	0.08 (2.0)	3 (4)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNP	1B4002x101	Zip	Single Mode	2	0.11 x 0.24 (2.9 x 6.2)	8 (11)	100 (440)	30 (130)	1.7 (44)	1.1 (29)	Plywood reel
OFNP	1C4002x101	Zip	Single Mode	2	0.08 x 0.17 (2.0 x 4.2)	6 (9)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNP	134002x101	Round	Single Mode	2	0.17 (4.2)	12 (18)	100 (440)	30 (130)	2.5 (63)	1.7 (42)	Plywood reel
OFNP	134004x101	Round	Single Mode	4	0.17 (4.2)	13 (20)	100 (440)	30 (130)	2.5 (63)	1.7 (42)	Plywood reel
OFNR	133001yG01	Round	Multimode	1	0.11 (2.9)	6 (8)	50 (220)	15 (70)	1.7 (44)	1.1 (29)	Plywood reel
OFNR	1A3001yG01	Round	Multimode	1	0.08 (2.0)	3 (4)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNR	1B3002yG01	Zip	Multimode	2	0.11 x 0.24 (2.9 x 6.2)	8 (12)	100 (440)	30 (130)	1.7 (44)	1.1 (29)	Plywood reel
OFNR	1C3002yG01	Zip	Multimode	2	0.08 x 0.17 (2.0 x 4.2)	6 (9)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNR	133002yG01	Round	Multimode	2	0.20 (5.0)	14 (21)	100 (440)	30 (130)	3.0 (75)	2.0 (50)	Plywood reel
OFNR	133004yG01	Round	Multimode	4	0.20 (5.0)	15 (23)	100 (440)	30 (130)	3.0 (75)	2.0 (50)	Plywood reel
OFNP	134001yG01	Round	Multimode	1	0.11 (2.9)	6 (9)	50 (220)	15 (70)	1.7 (44)	1.1 (29)	Plywood reel
OFNP	1A4001yG01	Round	Multimode	1	0.08 (2.0)	3 (4)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNP	1B4002yG01	Zip	Multimode	2	0.11 x 0.24 (2.9 x 6.2)	8 (11)	100 (440)	30 (130)	1.7 (44)	1.1 (29)	Plywood reel
OFNP	1C4002yG01	Zip	Multimode	2	0.08 x 0.17 (2.0 x 4.2)	6 (9)	50 (220)	15 (70)	1.2 (30)	0.8 (20)	Plywood reel
OFNP	1134002yG0	Round	Multimode	2	0.17 (4.2)	12 (18)	100 (440)	30 (130)	2.5 (63)	1.7 (42)	Plywood reel
OFNP	134004yG01	Round	Multimode	4	0.17 (4.2)	13 (20)	100 (440)	30 (130)	2.5 (63)	1.7 (42)	Plywood reel

**Single Mode Optical Fiber Types**

	Reduced Water Peak	TeraFlex® Bend Resistant		
		G.657.A1	G.657.A2	G.657.B3
<sup>1</sup> Replace "x" with:	3	K	J	L
Standard Jacket Colors*		Yellow		

**Multimode Optical Fiber Types**

	TeraGain® 62.5/125	TeraGain Laser Optimized 50/125			TeraFlex Bend Resistant Laser Optimized 50/125		
		10G/150	10G/300	10G/550	10G/150	10G/300	10G/550
<sup>1</sup> Replace "y" with:	6	A	B	F	M	N	P
Standard Jacket Colors*	Orange	Aqua					

\*Other jacket colors available upon request.  
See the "Optical Fiber Selection Chart" in the "Technical Information" section for detailed fiber type specifications.