

# FIBER INTERCONNECT PRODUCTS



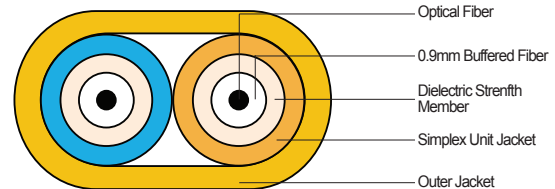
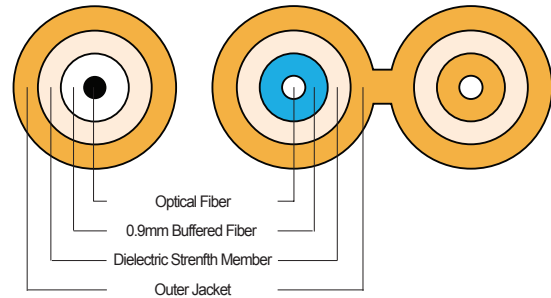
## Fiber Optic Simplex and Duplex Cord LSZH, OFNR or OFNP Rated

### Description / Applications

- Short Run Office & Computer Room Cabling
- Patch cords, Pigtails and Jumpers
- Equipment Interconnects
- OFNR(riser rated), OFNP(plenum rated) or LSZH(low smoke zero halogen rated)
- RoHS (Restriction of the use of Certain Hazardous Substances Directive) complied

### Construction

- Simplex
  - Buffer color : Natural (white)
- Zipcord
  - Buffer color : Blue and Orange
- Duplex Flat :
  - Buffer color : Natural (white)
  - Simplex unit color : Blue and Orange
- Fiber - Single mode, 50 $\mu$ m, 62.5 $\mu$ m multi mode available
- Jacket color
  - Single Mode : Yellow
  - 62.5/125  $\mu$ m 1Gbe : Orange
  - 50/125  $\mu$ m 1Gbe : Orange
  - 50/125  $\mu$ m 10Gbe : Aqua



### Specification

- ISO/IEC 11801
- Telcordia GR-409-CORE
- ANSI/ICEA S-83-596

### Mechanical Characteristics

Storage Temperature : -40 to +75 $^{\circ}$ C / Operating Temperature : -20 to +70 $^{\circ}$ C

SIMPLEX CORD	Buffered Fiber Outer diameter [um]	Nominal Diameter		Nominal Weight		Maximum Tensile Load		Crush Load		Minimum Bend Radius				
		[mm]	[inch]	[kg/km]	[lb/ktft]	Short Term [N]	Long Term [N]	Short Term [N/cm]	Long Term [N/cm]	Loaded [mm]	Installed [inch]			
SIMPLEX CORD	Riser/Plenum rate 1.6mm	600 $\pm$ 50um	1.6	0.06	3.0	0.01	130	65	3.5	1.5	32	1.26	16	0.64
	Riser/Plenum rate 1.8mm	600 $\pm$ 50um	1.8	0.07	4.0	0.01	130	65	3.5	1.5	36	1.42	18	0.72
	Riser/Plenum rate 2.0mm	900 $\pm$ 50um	2.0	0.08	4.0	0.01	130	65	3.5	1.5	40	1.57	20	0.80
	Riser/Plenum rate 2.4mm	900 $\pm$ 50um	2.4	0.09	6.5	0.01	300	150	3.5	1.5	48	1.089	24	0.95
	Riser/Plenum rate 2.9mm	900 $\pm$ 50um	2.9	0.11	9.5	0.02	300	150	3.5	1.5	58	2.28	29	1.15
ZIPCORD	Riser/Plenum rate 1.6mm	600 $\pm$ 50um	1.6	0.06	5.5	0.01	200	100	3.5	1.5	32	1.26	16	0.64
	Riser/Plenum rate 1.8mm	600 $\pm$ 50um	1.8	0.07	7.0	0.02	200	100	3.5	1.5	36	1.42	18	0.72
	Riser/Plenum rate 2.0mm	900 $\pm$ 50um	2.0	0.08	8.0	0.02	200	100	3.5	1.5	40	1.57	20	0.80
	Riser/Plenum rate 2.4mm	900 $\pm$ 50um	2.4	0.09	12.0	0.03	500	250	3.5	1.5	48	1.89	24	0.95
	Riser/Plenum rate 2.9mm	900 $\pm$ 50um	2.9	0.11	17.0	0.04	500	250	3.5	1.5	58	2.28	29	1.15
DUPLEX FLAT	Riser/Plenum rate 2.0mm	900 $\pm$ 50um	2.0	0.08	18.0	0.04	260	130	3.5	1.5	40	1.57	20	0.80
	Riser/Plenum rate 2.8mm	900 $\pm$ 50um	2.8	0.11	28.0	0.06	500	250	3.5	1.5	56	2.20	28	1.11

### Ordering Information

FC-XXX-SIM-NA-001-YY  
FC-XXX-ZIP-NA-002-YY  
FC-XXX-DUP-NA-002-YY

XXX : OS1, OM1, OM2, OM3  
YY : NR - Riser, NP - Plenum rated, LZ - LSZH

### Transmission Performance

	9/125 $\mu$ m (1310/1550nm)	50/125 $\mu$ m Standard (850/1300nm)	50/125 $\mu$ m Gigabit (850/1300nm)	50/125 $\mu$ m 10Gigabit (850/1300nm)	62.5/125 $\mu$ m Standard (850/1300nm)	52.5/125 $\mu$ m Gigabit (850/1300nm)
Attenuation(dB/km) Typical values	0.5/0.4	3.0/1.0	3.0/1.0	3.0/1.0	3.5/1.0	3.5/1.0
Minimum Bandwidth (MHz • km)	-	500/500	500/500	1500/500	200/500	200/500
Ethernet Link Distance (m)						
10Gbps	-	-	-	300	-	-
1Gbps	-	-	550/550	-	-	250/550