

FIBER OPTIC SIMPLEX AND DUPLEX CABLE

Indoor Tight Buffered Interconnect Cordage

DESCRIPTION

Simplex/Duplex cord designs contain 900 μm tight-buffered fibers for use in riser, plenum, or LSZH (Low-Smoke, Zero-Halogen) rated. Flexible cable design allows easy installation in a wide variety of environments.

CONSTRUCTIONS

1 fiber simplex / 2 fibers Zipcord 900 μm tight buffered fiber

FLAME RATINGS

Riser (OFNR) / Plenum (OFNP) / LSZH versions

FIBER COUNT

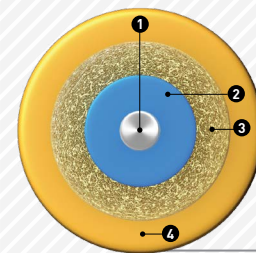
1 to 2 fibers

FIBER TYPES

Single mode, 50 μm , 62.5 μm multi mode, Hybrid available

SPECIFICATION

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



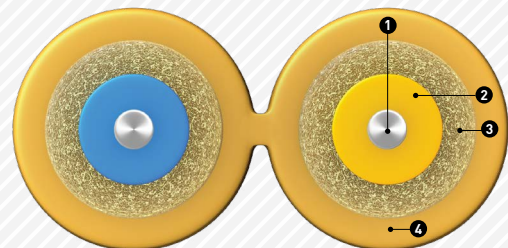
CABLE DRAWING

1. Optical Fiber
2. Tight Buffer
3. Peripheral Strength Member
4. Outer Jacket

SIMPLEX

CABLE DRAWING

1. Optical Fiber
2. Tight Buffer
3. Peripheral Strength Member
4. Outer Jacket



DUPLEX (Zipcord)

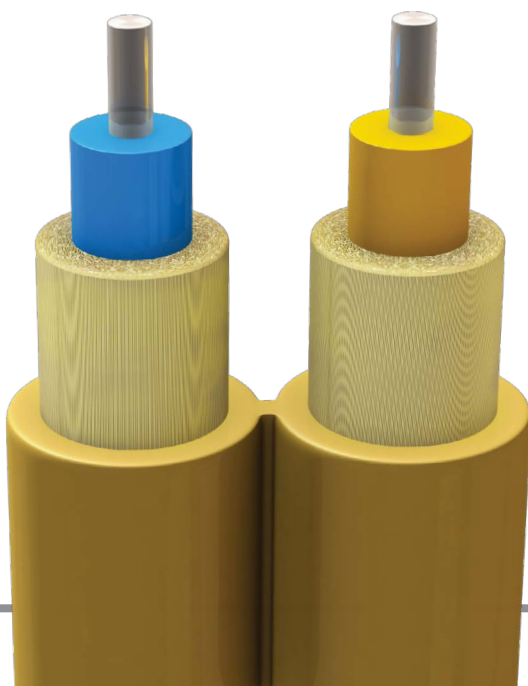
NOTE

Color of Buffer

01 Blue 02 Orange

Outer Jacket Color

Single mode : Yellow, 50/125 μm : Orange,
62.5/125 μm : Orange, Hybrid : Black



FEATURES & BENEFITS

Easy cable installation & Termination

- 900 μ m tight buffered fibers can be directly terminated with strain relief
- Flexible design - Easily strippable fiber coatings
- Zipcord cable can be easily separated into two simplex units

DISTRIBUTION CABLE

Fiber count	Nominal Diameter		Nominal Weight		Bend radius Load		Bend radius No load		Max pulling strength [N]
	[mm]	[inch]	[kg/km]	[lb/kft]	[cm]	[inch]	[cm]	[inch]	
1	1.6	0.06	2.6	1.7	3.2	1.3	2.4	0.9	200
1	2.0	0.08	3.5	2.4	4.0	1.6	3.0	1.2	250
1	2.4	0.09	5.0	3.4	4.8	1.9	3.6	1.4	300
1	2.8	0.11	7.0	4.7	5.6	2.2	4.2	1.7	350
2(Zip cord)	1.6	0.06	5.2	3.5	3.2	1.3	2.4	0.9	400
2(Zip cord)	2.0	0.08	7.0	4.7	4.0	1.6	3.0	1.2	500
2(Zip cord)	2.4	0.09	10.0	6.7	4.8	1.9	3.6	1.4	600
2(Zip cord)	2.8	0.11	14.0	9.4	5.6	2.2	4.2	1.7	700

TRANSMISSION PERFORMANCE

Index	9/125 μ m	50/125 μ m	50/125 μ m	50/125 μ m	62.5/125 μ m	62.5/125 μ m
		Standard	Gigabit	10Gigabit	Standard	Gigabit
	1310/1550nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm
Attenuation(dB/km) Typical values	0.4/0.3	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

ORDERING GUIDE

1	2	3	4	5
---	---	---	---	---

1 : Length marking (F : feet or M : meter)

2 : Product family (S : Simplex, D : Duplex)

3 : Fiber type (SM or MM50 or MM62,5)

4 : Fiber grade (OM1 or OM2 or OM3)

5 : Cable rate (LSZH or OFNR or OFNP)