

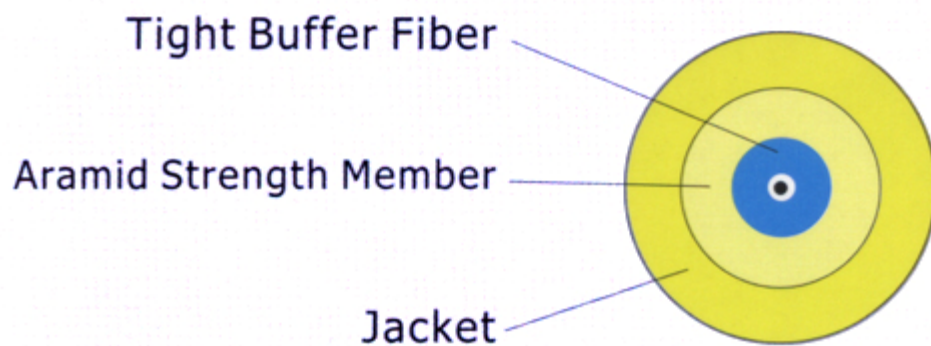
Indoor Fiber Cables

Indoor Cables can be successfully used for patch cord / connector / jumper fiber with 9/125 μ m Fiber,50/125 μ m Fiber,62.5/125 μ m Fiber,100/140 μ m Fiber(Single Fiber,Multimode Fiber).

Optical Fiber Cable Workshop Pictures:



Simplex Cables



Tight buffer fiber strengthened by aramid yarn with a flexible outer jacket.

◆Features

- Φ900um or Φ600um tight buffer fiber, semi-tight buffer fiber also available.
- Nominal outer jacket diameter from 2.0mm to 2.9mm.
- PVC or Low Smoke Zero Halogen (LSZH) is available as jacket material.
- Color coding complied with TIA/EIA-598-B.

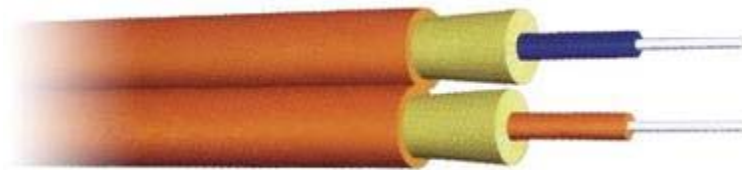
◆Applications

- Ideal for direct terminated with various types of connectors.
- Rugged construction for indoor installations.

◆Mechanical Specifications

Item No.	Diameter (mm)	weight (kg/km)	Maximum Tensile Load(N)		Minimum Bend Radius (mm)	Operating Temperature (°C)
			Installing	Operating		
A1-B1.1-ZV-29	2.9	8	200	100	30	-20~+60
A1-B1.1-ZY-24	2.4	4.5	80	40	24	-20~+60
A1-B1.1-ZV-20	2.0	4.5	80	40	20	-20~+60

Duplex Cables



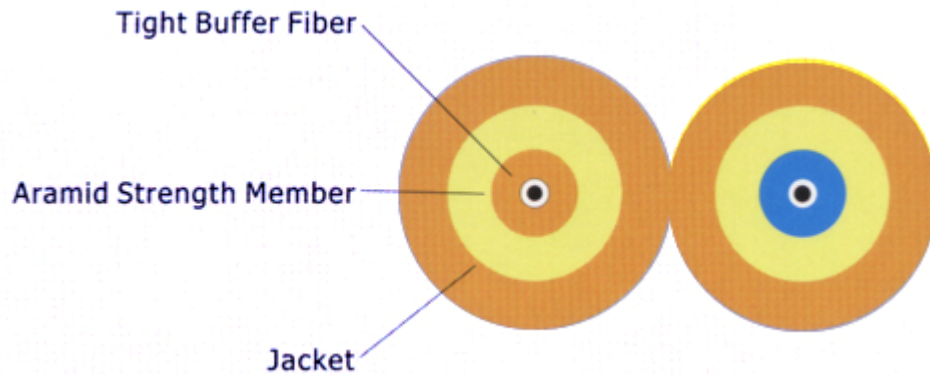


Figure 8 Zip cord construction consists of 2 single-fiber cable.

◆Features

- Φ900um or Φ600um tight buffer fiber, semi-tight buffer fiber also available.
- Nominal outer jacket diameter from 2.0mm to 2.9mm.
- PVC or Low Smoke Zero Halogen (LSZH) is available as jacket material.
- Color coding complied with TIA/EIA-598-B.

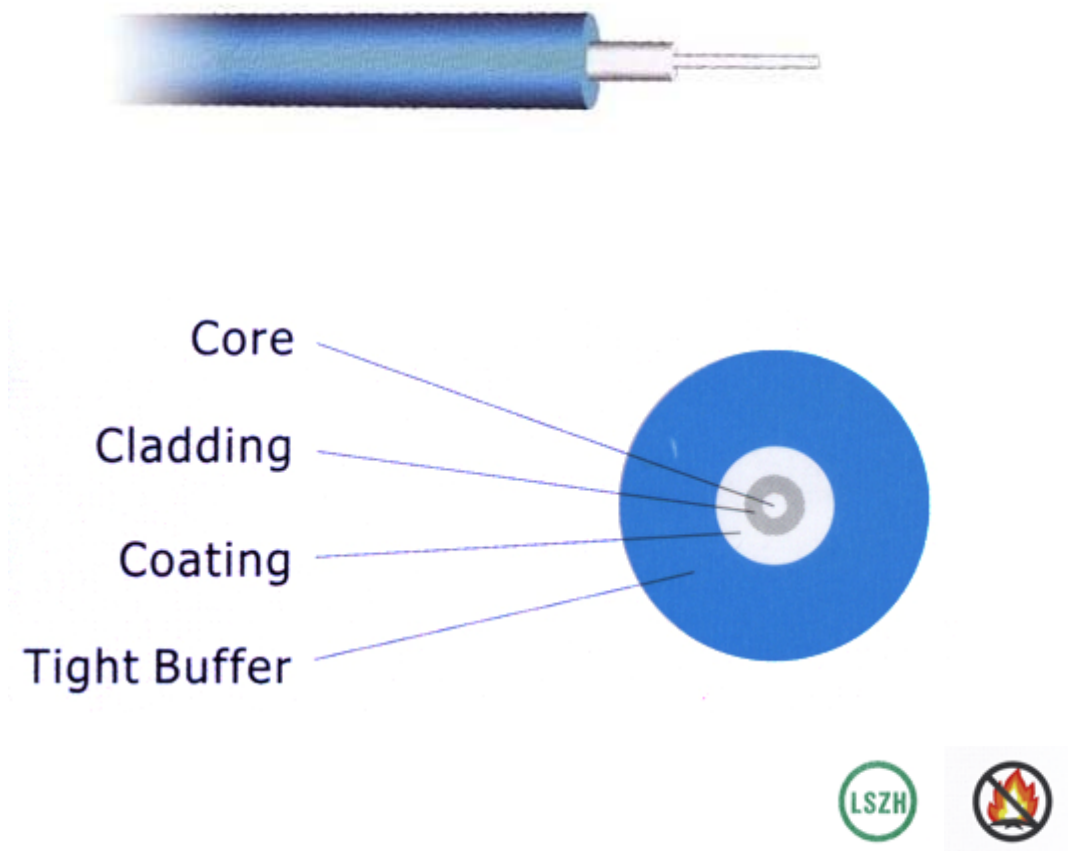
◆Applications

- Ideal for direct terminated with various types of connectors.
- Rugged construction for indoor installations.

◆Mechanical Specifications

Item No.	Diameter (mm)	weight (kg/km)	Maximum Tensile		Minimum Bend Radius (mm)	Operating Temperature (°C)
			Installing	Operating		
A1-B1a-ZY-28	2.8×5.7	16	400	200	30	-20~+60
A1-B1a-ZY-28	2.0×4.1	9	150	80	30	-20~+60
A1-B1a-ZY-28	1.8×3.7	7.5	150	80	30	-20~+60

Tight Buffer, Semi-light Buffer Fiber



Optical fiber with tight buffer, or semi-tight buffer.

◆Features

- Tight buffer fiber in $\Phi 900$ μm or $\Phi 600$ μm outer diameter or semi-tight tight buffer fiber in $\Phi 900$ μm outer diameter.
- Polyester elastomer, LSZH, PVC, modified Polypropylene or Nylon-12 are available as buffer material.
- Semi-tight buffer fiber can be easily stripped off 1 meter long.
- Color coding complied with TIA/EIA-598-B.

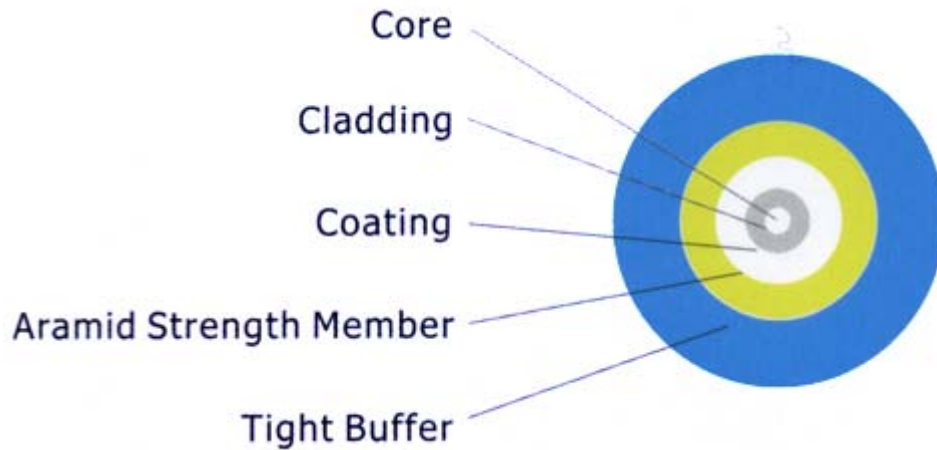
◆Applications

- For use of producing various types premises fiber optic cable.
- Can be terminated with standard connectors.
- Specialized tight buffer fiber is ideal for fiber sensor systems.

◆Mechanical Specifications

Item No.	Diameter (mm)	weight (kg/km)	Maximum Tensile Load(N)		Minimum Bend Radius (mm)	Operating Temperature (°C)
			Installing	Operating		
T-B1.1-ZV-06	0.6	0.4	4	1.5	30	-20~+60
T-B1.1-H-09	0.9	0.9	6	3	30	-45~+85
T-B1.1-ZY-09	0.9	0.9	6	3	30	-20~+60
T-B1.1-N-09	0.9	0.9	6	3	30	-45~+85

Strengthened Tight Buffer Fiber



Optical fiber surrounded by aramid strength member, and a PVC tight buffer.

►Features and Applications

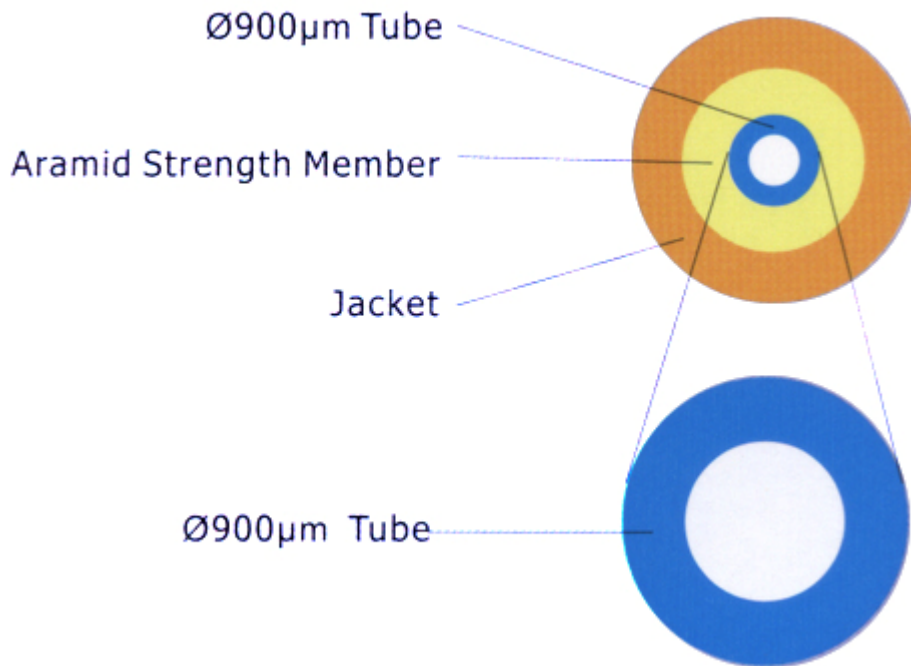
- Enhanced tensile strength by aramid surrounding bare fiber.
- PVC tight buffer in $\Phi 900\mu\text{m}$ outer diameter.

- Color coding complied with TIA/EIA-598-B.
- Ideal for use in optical device, equipment which requires high tensile performance.

► **Mechanical Specifications**

Item No.	Diameter (mm)	weight (kg/km)	Maximum Tensile		Minimum Bend Radius (mm)	Operating Temperature (°C)
			Installing	Operating		

Fiber Protecting Tube



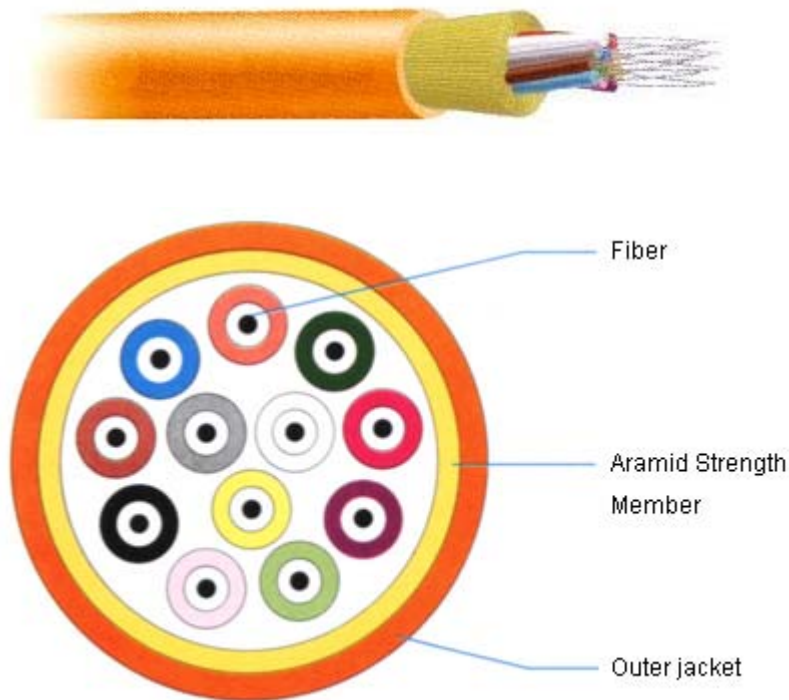
►Features and Applications

- Φ900um tube can use PVC, modified PP, polyester elastomer materials.
- Also available Φ900um tube surrounding by aramid yarn and Φ2.9mm or Φ2.0mm jacket.
- Color coding complied with TIA/EIA-598-B
- For use in optical communication apparatus, equipment, to protect bare fiber.

►Mechanical Specifications

Item No.	Diameter (mm)	Tube Material	Heat Shrink Rate	Operating Temperature(°C)
H-P-09	0.9	MPP	2.5%	-40~+70
H-H-09	0.9	Elastomer	2.5%	-40~+85
H-H-09-ZY-20	2.0	LSZH jacket, elastomer tube	2.5%	-20~+60
H-P-09-ZV-29	2.9	PVC jacket, MPP tube	2.5%	-20~+60

Distribution Cables





Distribution cable consists up to 12 tight buffer fiber strengthened by aramid yarn, and protected by an outer jacket.

Features

- Small form factor, high performance with lower cost.
- Φ900um tight buffer fiber, semi-tight buffer fiber also available.
- SZ stranded cable core for better transmission performance.
- PVC or Low Smoke Zero Halogen (LSZH) is available as jacket material.
- Color coding complied with TIA/EIA-598-B.

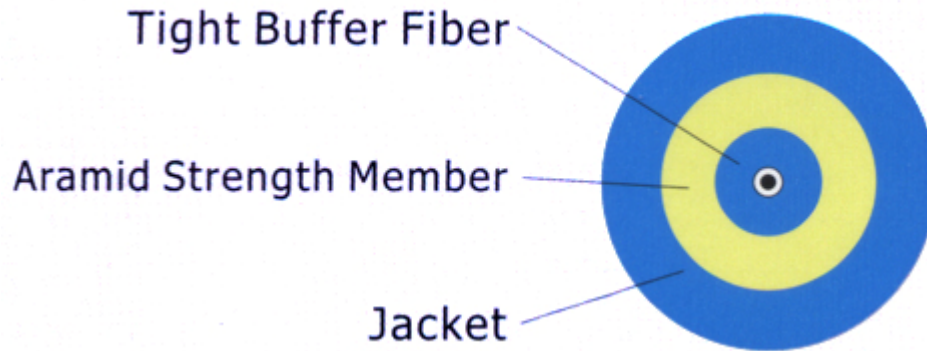
Applications

- Ideal for installation in indoor, LAN, and distribution networks.
- Can be terminated with various types of connectors.

Mechanical Specifications

Item No.	Diameter (mm)	weight (kg/km)	Maximum Tensile Load(N)		Minimum Bend Radius (mm)	
			Installing	Operating	Installing	Operating
2	4.2	24	400	130	10 Times of Outer Diameter	15 Times of Outer Diameter
4	4.2	24	400	130		
6	4.8	30	450	150		
8	5.4	40	500	170		
12	6.0	45	600	200		

Sensing Cables



Elastomer tight buffer fiber strengthened by aramid yarn with a flexible elastomer outer jacket.

◆Features

- Φ900um elastomer tight buffer fiber, and elastomer outer jacket for a wide range temperature applications.
- Polyester elastomer, polyurethane or Low Smoke Zero Halogen (LSZH) is also available as jacket material.
- Color coding complied with TIA/EIA-598-B

◆Applications

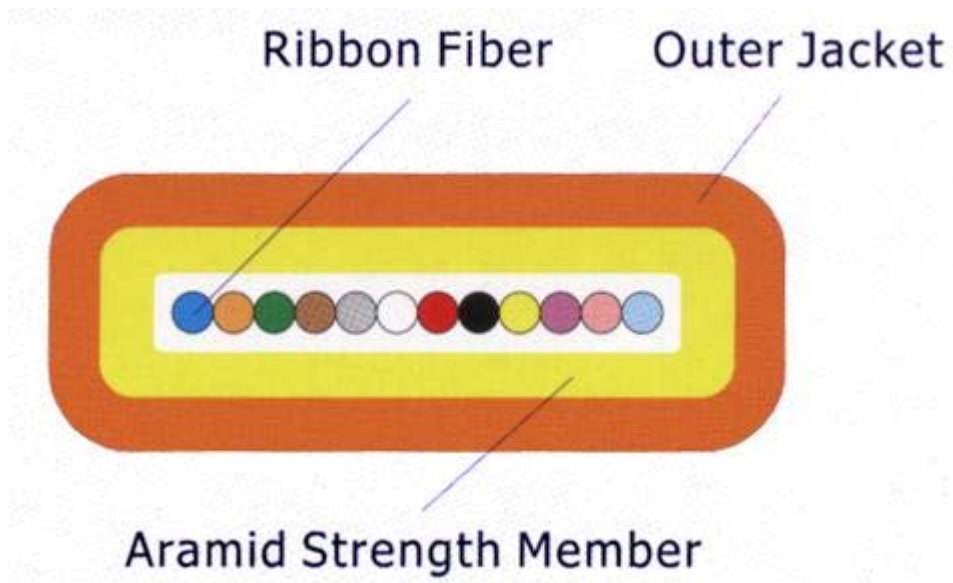
- Ideal for fiber optic sensor network for detecting temperature and strain.
- Compatible with various standard connectors.
- Rugged construction for wide range temperature indoor installation.

◆Mechanical Specifications

Item No.	Diameter (mm)	weight (kg/km)	Maximum Tensile	Minimum Bend Radius	Operating Temperature (°C)

			Installing	Operating	(mm)	Installing	Operating
A1-B1.1-H-20	2.0	4.5	80	40	30	-55~+125	-45~+85
A1-B1.1-ZU-29	2.9	8	200	100	30	-20~+60	

Ribbon Cables



Standard color coded ribbon fiber strengthened by aramid yarn protected by a flexible outer jacket.

Features

- Up to 12 fiber count.
- Small form factor, high density.
- PVC or Low Smoke Zero Halogen (LSZH) is available as jacket material.



- Ribbon fiber color coding complied with TIA/EIA-598-B

◆Applications

- Ideal for terminated with MT and MTP connectors
- For indoor installations.

◆Mechanical Specifications

Fiber Count	Dimension (Height X Width, mm)	weight (kg/km)	Maximum Tensile Load(N)		Minimum Bend Radius (mm)		Operating Temperature (°C)
			Installing	Operating	Installing	Operating	
4	1.8×3.5	8	200	100	10 Times of Height	15 Times of Height	-20~+60
6	1.8×3.5	8					
8	2.0×4.0	9					
12	2.2×4.5	10					