

## INTERCONNECT (Optical Fiber Cables)

Simplex Cable : 1F

Duplex Cable : 2F

### Key Features

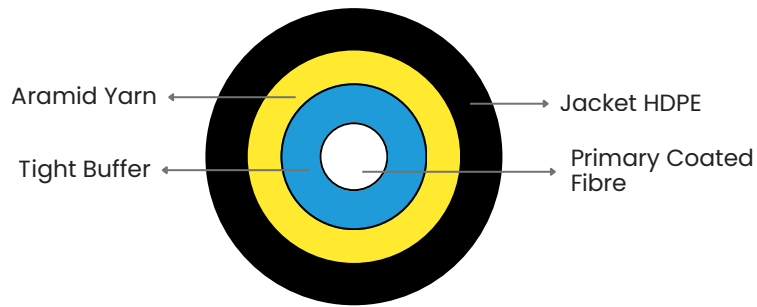
- **Tight Buffered Construction:** Ensures easy handling, stripping, and direct connector termination.
- **High Flexibility:** Ideal for routing within racks, panels, and indoor environments.
- **Aramid Yarn Strength Member:** Provides excellent tensile strength and durability.
- **Compact & Lightweight Design:** Suitable for space-constrained installations and cable management.
- **LSZH / PVC Jacket Options:** Safe for indoor use with low smoke & flame-retardant properties.
- **Ideal for Patch Cord Applications:** Perfect for interconnections between equipment, panels, and devices.



\*Images are for representation purpose only.

# **SIMPLEX**

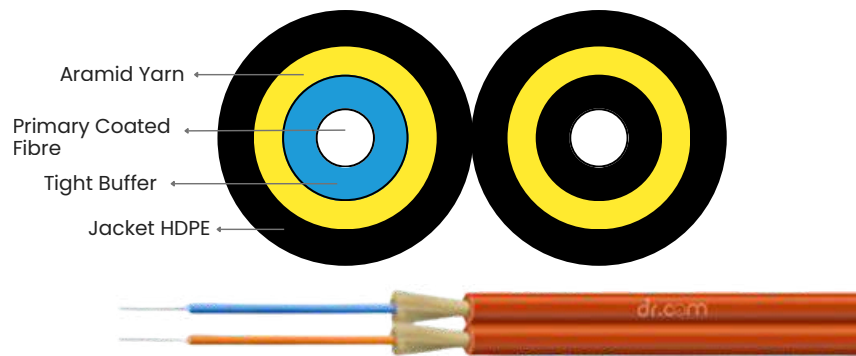
## **INTERCONNECT CABLE (1F)**



### Specification



Cable Type	Simplex Interconnect Fibre Optic Cable		
Reference Standard	IEC 60794, ITU-T G.652D, G.657A1		
FRP	NA		
Yarn	NA		
Fiber Capacity	1 Fibre		
Strength Member	Aramid Yarn		
Tight Buffered Dimension	900µm Tight Buffered Fibre		
Tube Filling	NA		
Core Filling	NA		
Core Wrapping	Not Required		
Jacket	UV Stabilized PVC / LSZH		
Key Applications	Patch cords, pigtails, equipment interconnection		
Temperature (Operating)	-30°C to +70°C		
Installation Temperature	-20°C to +70°C		
Special Characteristics	Highly flexible, easy stripping, ideal for patch cord manufacturing		
Technical Data	Fiber Count	1F	
	Outer Diameter	2.00 mm & 3.00 mm	
	Weight (kg/km)	5 kg ± 20%	
Tensile Strength (N)	Temporary	100	
	Permanent	50	
Bending Radius	Temporary	15D	
	Permanent	30D	
Physical Properties	Cable length	305 mtr & above	2 km & above
	Packing	Coil	Drum
Printing Details	Available in Standard or Customised Printing Options		



### Specification

Cable Type	Duplex Interconnect Fibre Optic Cable (Zipcord / Twin)		
Reference Standard	IEC 60794, ITU-T G.652D, G.657A1		
FRP	NA		
Yarn	NA		
Fiber Capacity	2 Fibre		
Central Strength Member	Aramid Yarn		
Tight Buffered Dimension	900µm Tight Buffered Fibre (Dual)		
Tube Filling	NA		
Core Filling	NA		
Core Wrapping	Not required		
Jacket	UV Stabilized PVC / LSZH		
Key Applications	Duplex patch cords, equipment interconnects, bidirectional links		
Temperature (Operating)	-30°C to +70°C		
Installation Temperature	-20°C to +70°C		
Special Characteristics	Paired fibre design, easy separation, supports Tx/Rx communication		
Technical Data	Fiber Count	2F	
	Outer Diameter	2.00 mm x 2	
	Weight (kg/km)	16 kg ± 10%	
Tensile Strength (N)	Temporary	200	
	Permanent	100	
Bending Radius	Temporary	30D	
	Permanent	60D	
Physical Properties	Cable length	305 mtr & above	2 km & above
	Packing	Coil	Drum
Printing Details	Available in Standard or Customised Printing Options		

## Fiber Transmission Performance

Parameters	Multimode				Single Mode
	62.5	50	50	50	9
Fiber Core Diameter	62.5	50	50	50	9
fiber Category	OM1	OM2	OM3	OM4	G.652D
Wavelengths(nm)	850   1300	850   1300	850   1300	850   1300	1310   150   1625
Maximum Attenuation (db/km)	3.5   1.5	3.0   1.0	3.0   1.0	3.0   1.0	0.36   0.23   0.26
Bandwidth (MHz*km) 850/1300	200   500	500   500	1500   500	3500   500	NA

### Manufacturing Units

Plot No. 67 & 70, Damanganga Industrial Park-II, New Survey  
 No 3377 & 3380, Old Survey No 399/3/P, 1, Village - Dungra,  
 Taluka -Vapi (Pardi), Valsad, Gujarat - 396191.

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