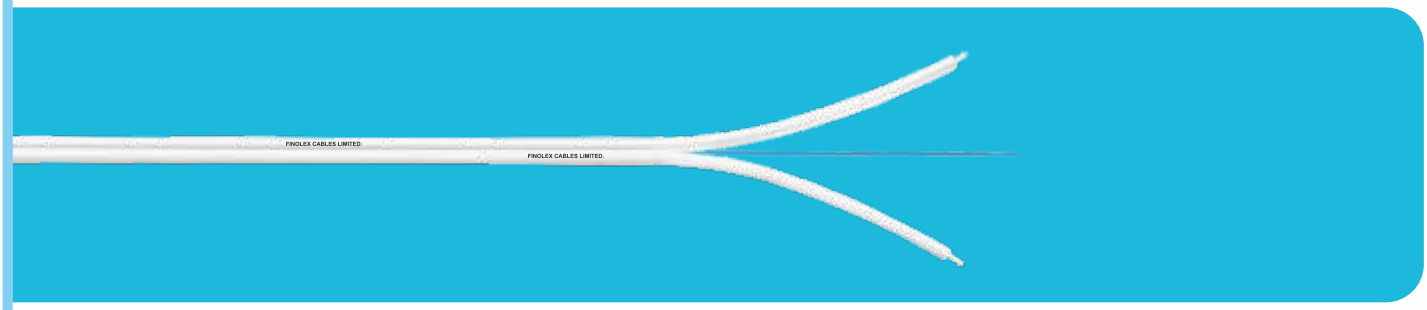
PREMISES CABLES
FTTH CABLE



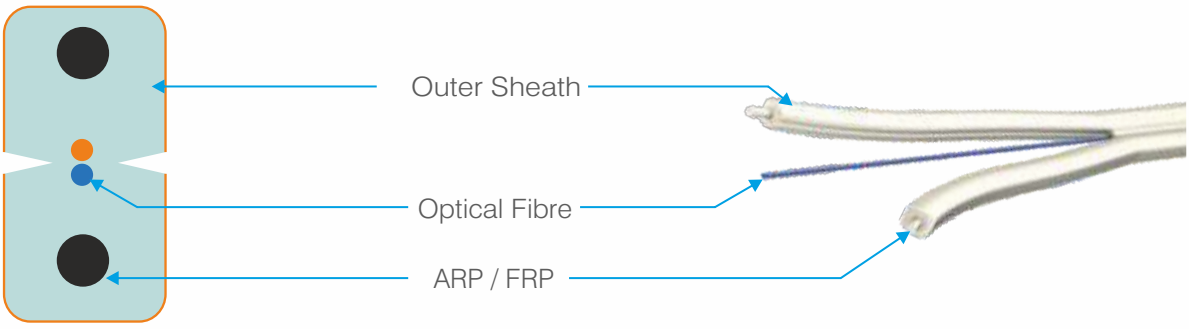
Description
1 or 2 fibres are placed in LSZH/ PVC sheath in between two ARP rods which can be taken out easily from the sheath. Optical Fibre used is insensitive to bending which is suitable in FTTH network for indoor application.

Advantages
- All dielectric cable
- Light weight
- Simple and fast installation
- Self supporting
- Easy for termination
- Low bend radius

Cable Construction details

No. of Fibres	1F or 2F as per requirement
Fibre Colour	Blue, Orange
Strength Member	Aramid Reinforced Plastic (ARP) Rod – 2 Nos.
Sheath	Low Smoke Zero Halogen or PVC
Sheath Colour	Black or As per requirement

Cable Mechanical Characteristics		**Physical Characteristics**	
Tensile Strength		**Cable Dimensions**	
Installation	100N	Width	3.1 ± 0.2 mm
Operation	50N	Height	2 ± 0.2 mm
Minimum Bending radius	20 mm	Nominal Cable Weight	9.5 Kg/km (Nominal)
Crush Resistance	500N/ 100x100	Cable length per drum	500 Meter to 2 Km ± 10%

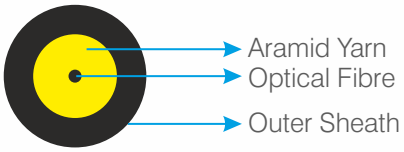


PREMISES CABLES

SIMPLEX CABLE

1 Fibre Tight Coated With PVC Or Lszh Is Placed In Lszh Sheath With Aramid Yarn. Optical Fibre Used Is Bending Loss Insensitive which is Suitable in FTTH Network For Indoor Application.

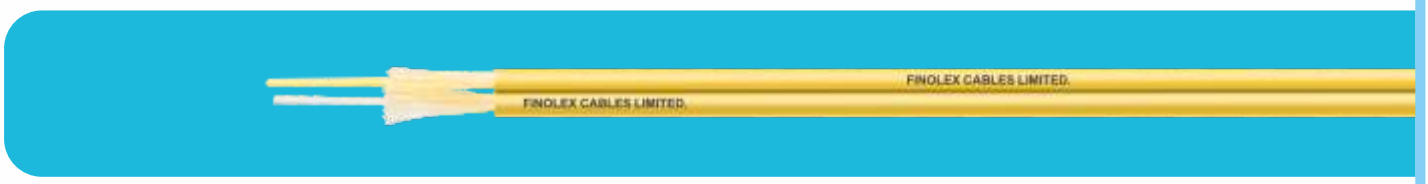
No. of Fibres	1F Tight Coated
Fibre Colour	Natural
Strength Member	Aramid Yarn
Sheath	Low Smoke Zero Halogen
Sheath Colour	Yellow or as per requirement



Cable Mechanical Characteristics	
Tensile Strength	
Installation	100N
Operation	50N
Minimum Bending radius	50 mm
Crush Resistance	200N/ 100x100

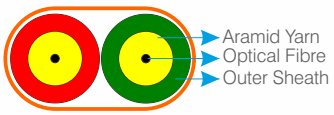
Physical Characteristics	
Cable Dimensions	
OD	2.0 ± 0.2 mm
Nominal Cable Weight	4 Kg/km (Nominal)
Cable length per drum	500 Meter to 2 Km ± 10%

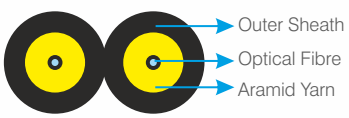
DUPLEX CABLE



Mechanical & Environment Characteristics:

Operating Temperature	-10 deg C to +60 deg C
Storage Temperature	-20 deg C to +85 deg C
Jacket Material	LSZH





Fibre Count	Outer diameter (mm)	Nominal thickness of Jacket (mm)	Nominal Cable Weight (Kg/km)		Tensile Load Maximum (N)	Crush Load (N/100 mm)		Bend Radius (mm)	
02	4.2 ± 0.3	0.3			100	500	200	20D	10D

PREMISES CABLES

SPIRAL ARMOURED FLEXIBLE OPTICAL FIBRE CABLES

1 or 2 fibre tight coated with nylon or LSZH is placed in spiral armour tube with aramid yarn as peripheral strength member and LSZH/ HDPE as outer sheath.

Cable Description	1F/ 2F Spiral Armoured Cable
Type of Fibre	G.652D, G.657, OM1, Om2, OM3, Om4

Advantages:

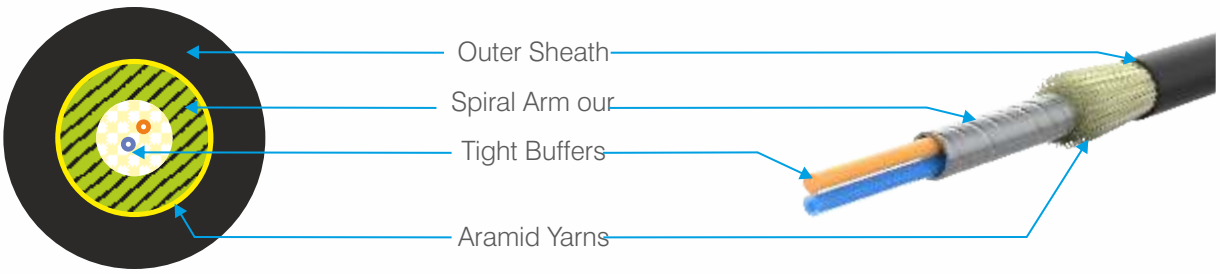
- Anti Rodent
- Highly Flexible
- Light weight
- Simple and fast installation
- Easy for termination
- Low bend radius

Application:

1. Suitable for Indoor & Outdoor application
2. Suitable for Fiber to the Antenna (FTTA)
3. Squirrel & Rodent Proof
4. Defense application

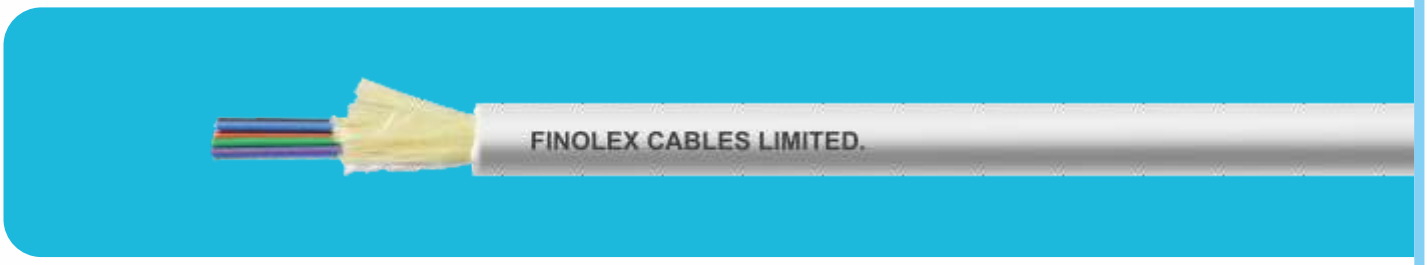
No. of Fibres	1F/ 2F Tight Coated
Fibre Colour	Natural/ or coloured as Blue, Orange
Strength Member	Aramid Yarn
Sheath	Low Smoke Zero Halogen/ HDPE
Sheath Colour	Black or As per requirement

Cable Mechanical Characteristics		**Physical Characteristics**	
Tensile Strength		**Cable Dimensions**	
Installation	400N		
Operation	300N	OD	1F – 3.0 ± 0.2 mm
Minimum Bending radius	50 mm		2F – 4.8 ± 0.2 mm
Crush Resistance	3000N/ 100x100	Cable length per drum	In multiple of 50 Meter



PREMISES CABLES

DISTRIBUTION TIGHT BUFFER OPTICAL FIBRE CABLES



Description

- Tight buffered fibre without jelly compound
- Aramid yarn strength members
- LSZH black outer sheath
- Round construction and termination can be made with standard connector

Application

- Suitable for aerial, pipeline, bracket lying
- Suitable for indoor and outdoor cable
- Light weight, all dielectric self supporting (ADSS)
- *Backbone & Computer room cabling

Mechanical, Physical & Environment Characteristics:

Operating Temperature	-10 deg C to +60 deg C
Storage Temperature	-20 deg C to +85 deg C
Tight Buffer Meterial	PVC / LSZH / Nylon - 12
Jacket Material	LSZH

Fibre Count	Outer diameter (mm)	Nominal Thickness of Jacket (mm)	Nominal Cable Weight (kg/km)	Pulling tension IEC 60794-1-2-E1		Crush Load (N/ 100mm) IEC 60794-1-2-E3		Bend Radius (mm) IEC 60794-1-2-E11 IEC 60794-1-2-E6	
				Short Term (N)	Long Term (N)	Short Term	Long Term	Short Term	Long Term
2	5.0 ± 0.3	1.2	25	640	640	1500	600	20D	10D
4	5.4 ± 0.3	1.2	29	640	640	1500	600	20D	10D
6	6.0 ± 0.3	1.2	35	730	730	1500	600	20D	10D
8	6.5 ± 0.3	1.2	40	730	730	1500	600	20D	10D
12	7.5 ± 0.3	1.3	52	1100	1100	1500	600	20D	10D
16*	8.5 ± 0.3	1.3	63	1500	1500	2000	1000	20D	10D

* 16C - Core contains two bundle of 8F