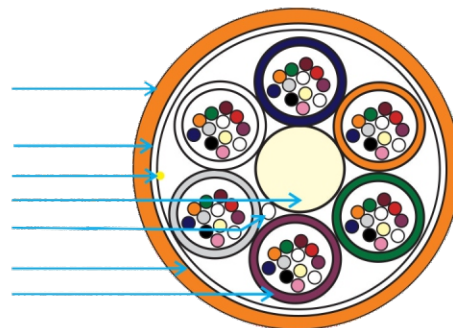


#### PRODUCT DESCRIPTION

Loose Tube Micro duct cables are the product of choice as the backbone in Outside Plant (OSP) environments. Its small outer diameter and the required rigidity for blowing/pushing through ducts offers lower minimum bending radius. The outer jacket of Nylon-12 performs extremely low co-efficient of friction while blowing through the micro ducts and also provides termite resistance. Optical Fibres and water-blocking elements are placed inside buffer tubes. The core is constructed by stranding the buffer tubes around the FRP central strength member. The core is wrapped with a water-blocking tape, then encased with a Nylon-12 jacket. A rip cord is included under the jacket for ease of entry.



Outer Jacket -  
Nylon/HDPE/LSZH  
Water Blocking Tape  
Rip Cord  
FRP Rod  
WS Yarn  
Binder Yarn  
Loose Tube with  
Fibres



#### APPLICATIONS

- Underground blowing/pushing in ducts
- Trunk, distribution and feeder cable
- Local loop, metro, long-haul network
- Broadband network

#### FEATURES

- Multiple Fibre types available
- Multiple stranded tubes
- Dry Core Standard (Optional)

#### SPECIFICATIONS

Fibre Count	Available from 2F to 144F
Standards Compliance	Telecordia GR-20, IEC 60794, EIA/TIA, ITU-T, EN187000, RUS1755.900

#### ENVIRONMENTAL SPECIFICATIONS (TEMPERATURE)

Operation / Storage	-40 to +70 Degree Celsius
Installation	-30 to +60 Degree Celsius

#### ADVANTAGES

- High fibre density in small outer diameter
- Multiple network applications
- Individual Tube Access
- Compressive strength, rodent protection and ease of location

FIBRE COUNT	DIAMETER (mm) Nominal	WEIGHT (Kg./Km) Nominal	TENSILE STRENGTH (N)		CRUSH RESISTANCE (N/10cm)	BENDING RADIUS (mm)	
			Installation	Operation		Temporary	Permanent
2-48	6.0	25	500	200	500	60	120
50-72	7.2	35	1000	500	500	72	142
74-96	7.5	50	1000	500	500	75	150
98-144	9.2	70	1500	750	500	92	184