

Multi - Tube Design

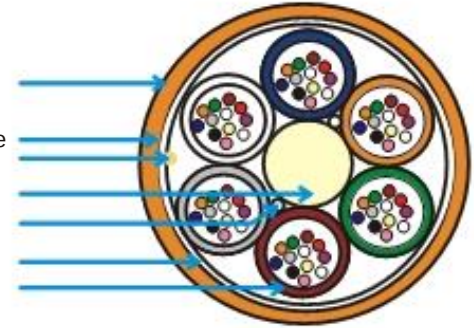
Micro Duct Cables

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