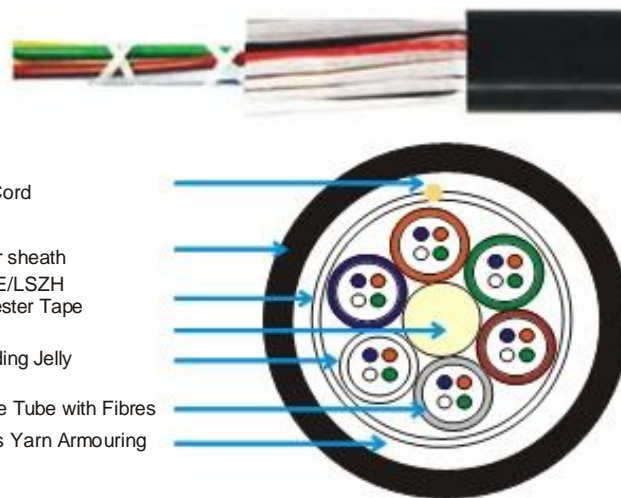


Multi Tube Design

Indoor-Outdoor Cables

PRODUCT DESCRIPTION

Loose tube cables are the product of choice as the backbone in Indoor/Outdoor environments. The rugged loose tube design offers reliable transmission performance over a broad temperature range. Optical Fibres are placed inside filled buffer tubes containing gel. The core is constructed by stranding the buffer tubes around a central strength member. The core is wrapped with flexible strength members covered with a water-blocking tape. Glass Yarns and an HDPE outer jacket are applied. Rip cords are included under outer jacket for ease of entry.



Rip Cord

Outer sheath
HDPE/LSZH
Polyester Tape
FRP
Flooding Jelly

Loose Tube with Fibres
Glass Yarn Armoring

APPLICATIONS

- Underground duct, Aerial and Direct Burial •
- Trunk, distribution and feeder cable
- Local loop, metro, long-haul and broadband network

FEATURES

- Available with upto 144 fibres
- Multiple Fibre types including hybrid
- Dry core standard (Optional)
- Uni-tube designs are also available upto 24 Fibres.

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 +75 Degree Celsius

ADVANTAGES

- High fibre density
- Multiple network applications
- Dielectric design eliminates grounding issues
- Reduces cable preparation and installation time •
- Reduces the number of tools required
- Speeds fibre access and cleanup

FIBRE COUNT	DIAMETER (mm) Nominal	WEIGHT (Kg./Km) Nominal	TENSILE STRENGTH (N)		CRUSH RESISTANCE (N/10cm)	BENDING RADIUS (mm)	
			Installation	Operation		Temporary	Permanent
2-24	10.5	90	2000	1000	2000	105	210
26-48	10.8	92	2000	1000	2000	108	216
50-72	11.5	110	2000	1000	2000	115	230
74-96	14.5	175	4000	2000	2000	145	290
98-120	15.5	205	4000	2000	3000	155	310
122-144	17.0	255	4000	2000	3000	170	340