

Multi - Tube Single Sheath Design

CST Armoured Cables

PRODUCT DESCRIPTION

Loose tube cables are the product of choice as the backbone in Outside Plant (OSP) environments. The rugged loose tube design offers reliable transmission performance over a broad temperature range. Optical fibres and water-blocking elements are placed inside buffer tubes. 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 polyester tape. A corrugated steel armor is applied and then encased with a black jacket. Rip cords are included under the armor for ease of entry.

Outer sheath
HDPE/LSZH
Polyester Tape
Glass Yarn
FRP Rod
Corrugated Steel Tape
Loose Tube with Fibres
Rip Cord



APPLICATIONS

- Direct buried, underground duct
- Trunk, distribution and feeder cable
- Local loop, metro, long-haul and broadband network

FEATURES

- Multiple Fibre types including hybrid
- Dry core standard (Optional)
- Corrugated Steel Armour

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
- Reduces cable preparation and installation time
- Reduces the number of tools required
- Improves compressive strength and rodent protection

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	11.5	130	4000	2000	4000	115	230
26-48	11.8	135	4000	2000	4000	118	236
50-72	12.5	160	4000	2000	4000	125	250
74-96	13.8	185	5000	2500	4000	138	276
98-120	15.5	235	5000	2500	4000	155	310
122-144	16.5	270	5000	2500	4000	165	330