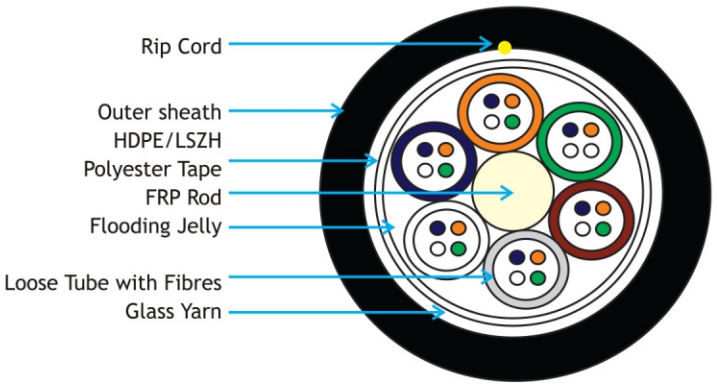
Siechem
Wires & Cables

Multi - Tube Design

Duct Cables

PRODUCT DESCRIPTION

Loose tube cables are the product of choice as the backbone in Outside Plant (OSP) environments. The loose tube design offers reliable transmission performance over a broad Rip Cord Temperature range. Optical fibres and water-blockingelements are placed inside buffer tubes. The core is constructed by stranding the buffer tubes around FRP rod, the central strength member. The core is wrapped with flexible strength members covered with a water-blocking tape, then encased with a black jacket. A rip cord is included under the jacket for ease of entry.



APPLICATIONS

- Underground duct and lashed aerial
- Trunk, distribution and feeder cable
- Local loop, metro, long-haul and broadband network

FEATURES

- Available with upto 144 Fibre
- Multiple Fibre types including hybrids
- Central strength members available in metallic or dielectric
- Dry core standard (Optional)
- Standard tube size for all fibre counts

APPLICATIONS

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
- Metallic option offers ease of location, dielectric design eliminates grounding issues
- Reduces cable prep 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	10.0	80	2000	2000	2000	100	200
26-48	10.2	85	2000	2000	2000	102	204
50-72	10.5	90	2000	2000	2000	105	210
74-96	11.5	120	3000	3000	3000	115	230
98-120	13.0	155	3000	3000	3000	130	260
122-144	14.5	180	3000	3000	3000	145	290

The above shown cable designs are our standard designs, however, customised designs can also be offered on specific request.