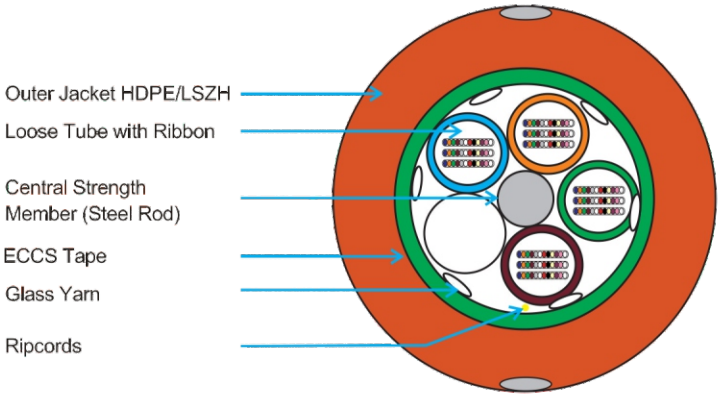
Siechem
Wires & Cables

Multi - Tube Ribbon Design

Duct / Armoured Cables

PRODUCT DESCRIPTION

Stranded Tube Armored Ribbon Cable is designed for Outside Plant (OSP) applications in underground duct or direct buried installations. Our industry leading optical Fibre ribbons are manufactured with high dimensional precision and lowplanarity which equates to low losses during mass fusion splicing. The stranded tube design features optical fibres ribbons placed inside gel-filled tubes. Each tube contains up to 12 discretely identified, 12-fibre ribbons for maximum design load capacity of 576 optical fibres. The core is helically wrapped with water-blocking strength members. Rip cords are included under the outer sheath for ease of entry. Armoring below outer sheath provides rodent protection.



APPLICATIONS

- Underground duct and direct buried
- Trunk, distribution and feeder cable
- Local loop, metro, long-haul network
- Broadband network

SPECIFICATIONS

Fibre Count	Available from 48F to 576F
Standards Compliance	Telecordia GR-20, IEC 60794, EIA/TIA, ITU-T, EN187000, RUS1755.900

FEATURES

- Available with upto 576 fibres
- Multiple Fibre types available
- Ribbon Fibre
- Multiple stranded tubes

ENVIRONMENTAL SPECIFICATIONS (TEMPERATURE)

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

ADVANTAGES

- High Fibre density
- Multiple network applications
- Individual Tube Access
- Compressive strength, rodent protection and ease of location
- Saves labour cost by offering mass fusion splicing

FIBRE COUNT	DIAMETER (mm) Nominal	WEIGHT (Kg./Km) Nominal	TENSILE STRENGTH (N)		CRUSH RESISTANCE	BENDING RADIUS (mm)	
			Installation	Operation	(N/10cm)	Temporary	Permanent
48	16.0	250	3000	1000	2000	190	380
96	16.0	250	3000	1000	2000	190	380
144	18.0	300	3000	1000	2000	205	410
288	19.8	360	3000	1000	2000	198	396
576	22.0	480	4000	1000	2000	220	440

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