

Multi - Tube Ribbon Design

Duct Cables

PRODUCT DESCRIPTION

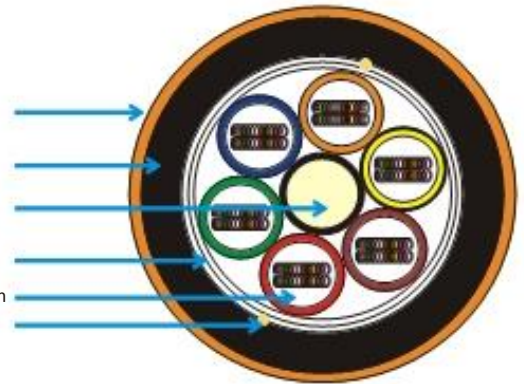
Stranded Tube Ribbon Cable is designed for Outside Plant (OSP) applications, specifically lashed aerial and underground duct installations. Our industry leading optical Fibre ribbons are manufactured with high dimensional precision and low planarity which equates to low losses during mass fusion splicing. 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 inner sheath for ease of entry. A Nylon-12 outer jacket protects the cable from rodent.



Outer Jacket - Nylon

Inner Sheath -
HDPE/LSZH
Central Strength
Member (FRP)

Polyester Tape
Loose Tube with Ribbon
Rip Cord



APPLICATIONS

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

FEATURES

- Multiple Fibre types available
- Ribbon Fibre
- Multiple stranded tubes

SPECIFICATIONS

Fibre Count	Available from 48F to 576F
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
- 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 (N/10cm)	BENDING RADIUS (mm)	
			Installation	Operation		Temporary	Permanent
48	19.0	280	7000	4000	2000	190	380
96	19.0	280	7000	4000	2000	190	380
144	20.5	340	8000	4500	2000	205	410
288	22.0	525	12000	6000	2000	220	440
576	30.0	740	12000	6000	2000	300	600