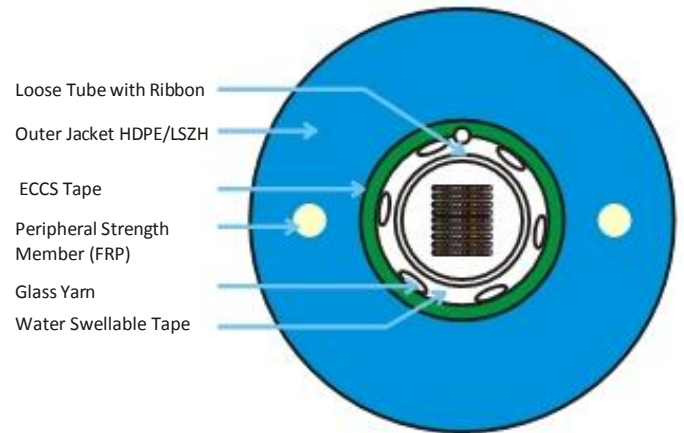


Uni - Tube Ribbon Design

Duct Cables

PRODUCT DESCRIPTION

Unitube Ribbon Cable is designed for Outside Plant (OSP) applications in 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 Unitube design consists of optical fibres ribbons placed inside a gel-filled tube. Each tube contains up to 12 discretely identified, 12-Fibre ribbons for maximum design load capacity of 144 optical fibres. Glass yarn used provides the necessary tensile strength. Rip cords are included under the outer sheath for ease of entry. Armoring is provided for rodent protection. An outer HDPE sheath embedded with FRP rods as additional strength members completes the cable.



APPLICATIONS

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

SPECIFICATIONS

Fibre Count	Available from 24F to 144F
Standards Compliance	Telecordia GR-20, IEC 60794, EIA/TIA, ITU-T, EN187000, RUS1755.900

FEATURES

- Available with up to 144 Fibre
- Multiple Fibre types available
- Ribbon Fibre

ENVIRONMENTAL SPECIFICATIONS (TEMPERATURE)

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

ADVANTAGES

- High Fibre density
- Multiple network applications
- 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
24	11.5	125	2500	1800	2000	115	230
48	12.5	150	2500	1800	2000	125	250
96	13.0	160	2800	2000	2000	130	260
144	14.5	210	2800	2000	2000	145	290