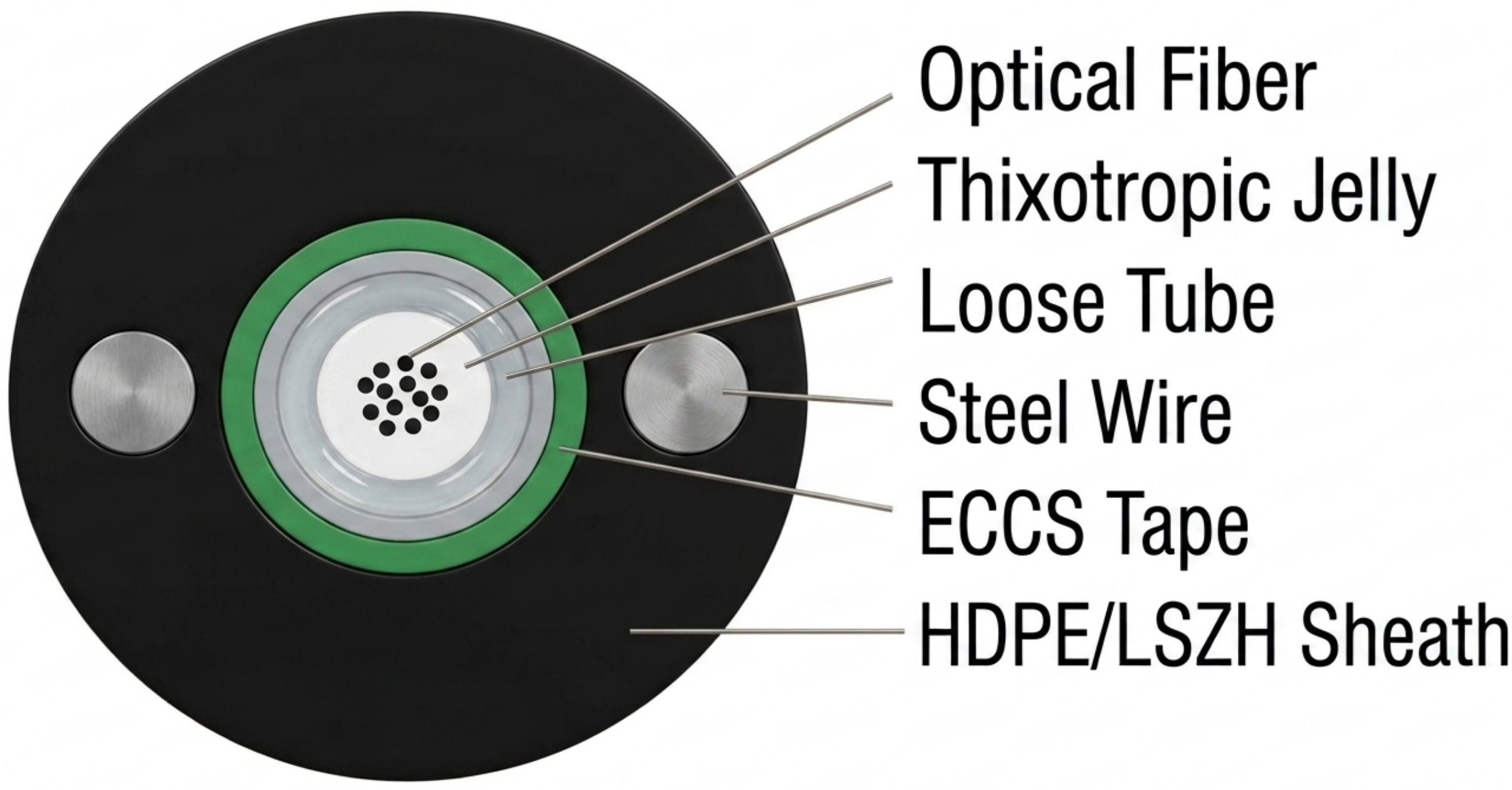


SINGLE-MODE ARMOURED FIBER OPTIC CABLE

- ECCS Tape Armoured
- Unitube Design
- Strength Member: Steel Wire
- Central Loose tube with jelly compound
- Suitable for sophisticated networks



Mechanical & Environmental Characteristics

Operating Temperature		-20 deg C to +60 deg C				
Storage Temperature		-40 deg C to +60 deg C				
Jacket Material		HDPE / LSZH				
Fiber Count	Outer diameter (mm)	Nominal Cable Weight (kg/km) (HDPE / LSZH)	Pulling Tension IEC 60794-1-2-E1 Short Term (N)	Pulling Tension IEC 60794-1-2-E1 Long Term (N)	Crush Load IEC 60794-1-2-E3 (N/100mm)	Bend Radius IEC 60794-1-2-E11 / IEC 60794-1-2-E6 (mm)
2F to 12F	7.5 +/- 0.3	64 / 84	1000	400	2000	20D

Colour Code

BL-BLUE	OR-ORANGE	GR-GREEN	BR-BROWN	GY-GREY	WH-WHITE
RD-RED	BK-BLACK	YE-YELLOW	PU-PURPLE	PI-PINK	AQ / NAT

Optical Fiber Characteristics: Attenuation & Bandwidth

Fiber Type	9/125µm (OS1)	
Operational Wavelength	1310nm	1550nm
Maximum Attenuation (db/km)	0.36	0.22

Characteristics (cabled) Sinle-Mode - Matched-Cladded optical fibers according to ITU

Fiber-Type & Refractive Index	Mode-Field/Cladding Diameter (µm)	Wavelength (nm)	Dispersion (ps/(nm-km))	PMD (ps/km)	Cable Cut-off Wavelength (nm)
9/125 / G.652D	9.2 ± 0.4	1310	≤ 3.5	≤ 0.2	≤ 1260
1.4670 / 1.4675	125 ± 0.7	1550	≤ 18		

LSZH Compound meets the following properties as per International Specification(s)

Specification	Properties
IEC 811-1	Water Absorption
IEC 1034	Smoke Emission
IEC 754-1	Acid Gas Emission
IEC 60754-2 (EN 50267-2-2)	Halogen Free (pH ≥ 3.5 - µS/cm ≤ 100)
IEC 332-1/3	Flame Retardancy / Fire Propagation
IEC 60331-25 (EN 50200); IEC 61034 (EN 50268-2)	
NES 713	Toxicity

Ordering Information

Part No.	Description
KNXCF-201AS-75	Konexe 4 Core, Single Mode, Unitube, ECCS Tape Armoured Fiber Cable, HDPE
KNXCF-301AS-75	Konexe 6 Core, Single Mode, Unitube, ECCS Tape Armoured Fiber Cable, HDPE
KNXCF-501AS-75	Konexe 12 Core, Single Mode, Unitube, ECCS Tape Armoured Fiber Cable, HDPE
KNXCF-602AS-75	Konexe 24 Core, Single Mode, 2 Tubes, ECCS Tape Armoured Fiber Cable, HDPE

LZSH optional