

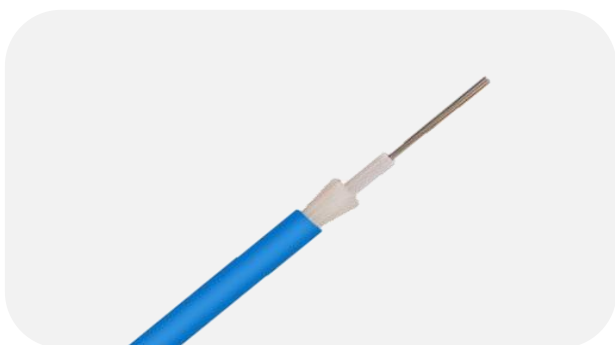
Indoor/Outdoor Cables

Non-Armored, Central Loose Tube, LSZH Indoor/Outdoor Cable

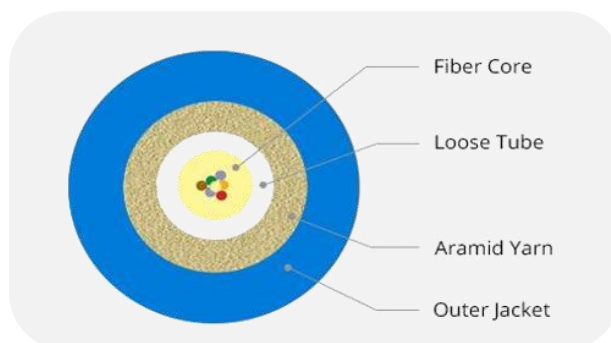
Indoor/outdoor cables combine the flame resistance and safety features of an indoor riser or plenum cable with the durability that is critical for outside plant cable. LSZH material Jacket has good flame retardant performance.

The loose tube surrounded by the aramid yarn and grease provides special protection for the fiber. The primary advantage of the cable is the ability to transition from the outdoor to indoor environment with the same cable, thus eliminating a splice/connector point.

Non-Armor Loose Tube - NALT-OS2-4FL



Inner Structure - NALT-OS2-4FL



Features and Benefits

- High density, easy to install
- Low shrinkage and high tensile strength
- Moisture-resistant and flame-retardant LSZH polymer
- Default jacket is blue, other color also can be customized
- Enhances system performance by avoiding additional splice point attenuation
- Loose-tube isolates fibers from outside environment and mechanical stresses

Application

- Private networks & LAN networks
- Aerial, duct and entrance facilities
- Cable trays and general horizontal applications
- Interbuilding and intrabuilding voice or data communication backbones

Technical Specifications

Parameter	Unit	Life Cycle	4F	6F	8F	12F
Minimum Tensile Strength	N	short term	600	600	600	600
		long term	200	200	200	200
Minimum Crush Load	N/100m m	short term	1000	1000	1000	1000
		long term	200	200	200	200
Minimum Bending Radius	MM	short term	20D	20D	20D	20D
		long term	10D	10D	10D	10D
Storage Temperature	°C			-20 to +60		

Optical Characteristic

Parameter	Unit	G.652		50/125μm		62.5/125μm	
Attenuation	dB/km	1310nm	≤0.36	850nm	≤3.0	850nm	≤3.0
		1550nm	≤0.22	1300nm	≤1.0	1300nm	≤1.0
Bandwidth	MHz·km	-	-	850nm	≥600	850nm	≥200
		-	-	1300nm	≥1200	1300nm	≥600
Numerical Aperture	NA	-		0.200±0.015		0.275±0.015	
Cable Cut-off Wavelength	λ _{cc} (nm)	≤1260		-		-	

Order Information

Fiber Count	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (kg/km)
Singlemode 9/125 OS2				
4F	NALT-OS2-4FL	LSZH	6.0	45
6F	NALT-OS2-6FL	LSZH	6.0	45
8F	NALT-OS2-8FL	LSZH	6.0	45
12F	NALT-OS2-12FL	LSZH	6.0	45
Multimode 62.5/125 OM1				
4F	NALT-OM1-4FL	LSZH	6.0	45
6F	NALT-OM1-6FL	LSZH	6.0	45
8F	NALT-OM1-8FL	LSZH	6.0	45
12F	NALT-OM1-12FL	LSZH	6.0	45
Multimode 50/125 OM2				
4F	NALT-OM2-4FL	LSZH	6.0	45
6F	NALT-OM2-6FL	LSZH	6.0	45
8F	NALT-OM2-8FL	LSZH	6.0	45
12F	NALT-OM2-12FL	LSZH	6.0	45
Multimode 50/125 OM3				
4F	NALT-OM3-4FL	LSZH	6.0	45
6F	NALT-OM3-6FL	LSZH	6.0	45
8F	NALT-OM3-8FL	LSZH	6.0	45
12F	NALT-OM3-12FL	LSZH	6.0	45
Multimode 50/125 OM4				
4F	NALT-OM4-4FL	LSZH	6.0	45
6F	NALT-OM4-6FL	LSZH	6.0	45
8F	NALT-OM4-8FL	LSZH	6.0	45
12F	NALT-OM4-12FL	LSZH	6.0	45



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