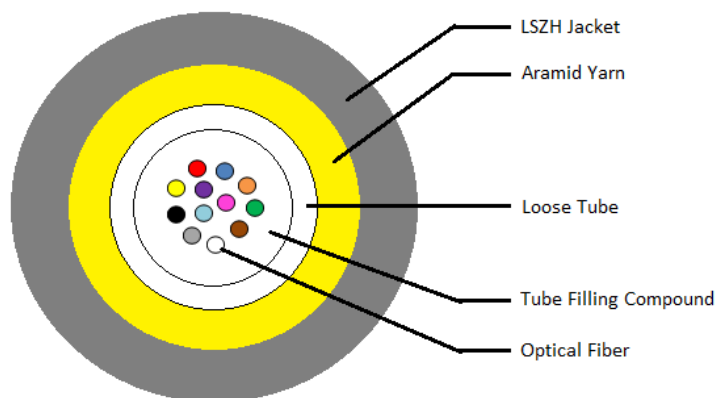


Description

Optical fibers were positioned in a loose tube made of high modulus plastic that provide reasonable crush resistance and flexibility to the cable. Hydrolysis resistance high strength loose tubes are filled with water-resistance compound filling. The loose tube is cover with a layer of aramid yarn as strength member to ensure tensile strength. The cable is completed with LSZH (Low Smoke, Zero Halogen, Flame-Retardant) jacket. The cable was specially designed with smaller diameter, light weight and provide excellent mechanical and temperature performance.



Suitable Applications

Backbone distribution cable for FTTH Networking, Fiber Optic Telecommunication System, Fiber Optic Local Area Network.

Optical Characteristics

Attenuation	1310 nm	≤ 0.35 dB/km
	1383 nm	≤ 0.35 dB/km
	1460 nm	≤ 0.25 dB/km
	1550 nm	≤ 0.21 dB/km
	1625 nm	≤ 0.23 dB/km
Attenuation vs. Wavelength Max. α differences	1285 – 1330 nm	≤ 0.03 dB/km
	1525 – 1575 nm	≤ 0.02 dB/km
Zero Dispersion Wavelength	1300 – 1324 nm	
Zero Dispersion Slope	≤ 0.092 ps/(nm·km)	
Cable Cut Off Wavelength λ_{cc}	≤ 1260 nm	
Mode Field Diameter (PMD)	1310 nm	8.4 – 9.2 μ m
	1550 nm	9.3 – 10.3 μ m

Environmental Characteristic

@ 1310 nm, 1550 nm & 1625 nm

Temperature Dependence Induced Attenuation at	-60°C to +85°C	≤ 0.05 dB/km
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Technical Parameters

Cable Type (Fiber Count)	2 – 12	14 – 24
Cable Diameter	6.2 $\pm$ 0.5 mm	7.0 $\pm$ 0.5 mm
Unitube Diameter	3.0 mm	4.0 mm
Tensile Strength (Long/Short Term), N	200/800	200/800
Crush Resistance (Long/Short Term), N/100mm	300/1000	300/1000
Bending Radius (Static/Dynamic), mm	10 D / 20 D	10 D / 20 D
Compliances	YD/T 1256.4-2005, ICEA-596, GR-409, IEC 60794, IEC 332-1, IEC 332-33C.	

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