

DW-I-D-B-A2-LSOH-1000

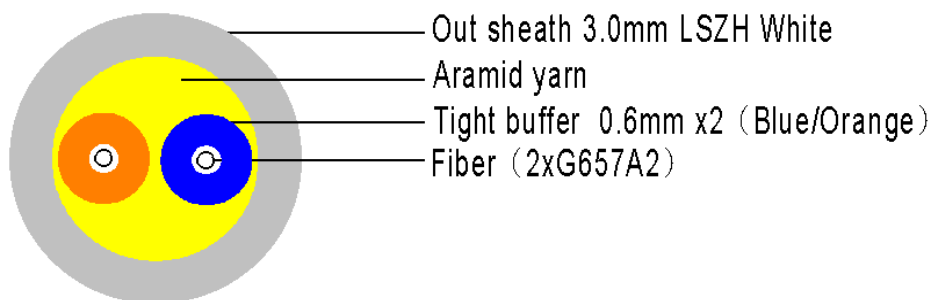


DATAWAY DROP is a durable two-fiber optical cable designed for modern FTTx and FTTH installations. It uses bend-resistant G.657A2 fibers, which ensure high flexibility and reliable transmission even in difficult bends.

The cable has a diameter of 3 mm, a white finish and an LSOH jacket, which reduces smoke and does not spread fire, making it suitable for indoor use. The Eca fire reaction class guarantees compliance with European safety standards

Cable specification

1. Cross Section of Cable



2.Fiber parameter

Items		Unit	Specification
Fiber Type			G.657A2
Attenuation Coefficient	1310nm	dB/km	≤0.35
	1383nm	dB/km	≤0.35

	1460nm	dB/km	≤ 0.25
	1550nm	dB/km	≤ 0.21
	1625nm	dB/km	≤ 0.23
A change in attenuation relative to the wavelength	1285~1330nm, 1310nm	dB/km	≤ 0.03
	1525~1575nm, 1550nm	dB/km	≤ 0.02
Dispersion in the wavelength range	1285~1340nm	ps/(nm·km)	-3.5~3.5
	1550nm	ps/(nm·km)	≤ 18
	1625nm	ps/(nm·km)	≤ 22
Zero dispersion wavelength(λ_0)		nm	1300~1324
Zero dispersion slope(S_0)		ps/(nm ² ·km)	≤ 0.092
Typical value of zero dispersion slope		ps/(nm ² ·km)	0.086
Polarization mode dispersion coefficient (PMD)	The maximum value of a single fiber	ps/ $\sqrt{\text{km}}$	≤ 0.1
	Fiber link value(M=20,Q=0.01%)	ps/ $\sqrt{\text{km}}$	≤ 0.06
	Typical values	ps/ $\sqrt{\text{km}}$	0.04
Cut-off wavelength of optical cable (λ_{cc})		nm	≤ 1260
Mode Field Diameter (MFD)	1310nm	μm	8.4~9.2
	1550nm	μm	9.3~10.3
Effective Group refractive index (N_{eff})	1310nm	--	1.466
	1550nm	--	1.467
Point discontinuity	1310nm	dB	≤ 0.05
	1550nm	dB	≤ 0.05
Cladding Diameter		μm	125.0 $\pm$ 0.7
Cladding Non-Circularity		%	≤ 0.7

Coating Diameter		μm	235~245
Cladding-Coating Concentricity Error		μm	≤12.0
Coating Non-Circularity		%	≤6.0
Core-Cladding Concentricity Error		μm	≤0.5
Warpage (radius)		m	≥4
Macro bending additional loss	1 turn, radius 7.5mm@1550nm	dB	≤0.5
	1 turn, radius 7.5mm@1625nm	dB	≤1.0

3.Cable Performance

Item		Parameters
Fiber Count		2
Tight buffer	Dimension	0.6±0.05mm
	Color	Blue、Orange
Strength Member	Material	Aramide yarn (Import)
	Number	3*1100D
Outer jacket	Dimension	2.9±0.1mm
	Material	LSZH
	Color	White

4.Fiber Color

NO.	1	2
Color	Blue	Orange
		

5.Mechanical and Environmental Characteristics

Item	Unit	Specifications
Tension	N	120
Crush (Long Term)	N/100mm	100
Crush (Short Term)	N/100mm	500
Min. Bend Radius (Static)	mm	10D
Min.Bend Radius (Dynamic)	mm	20D
Installation Temperature	°C	-5~+40
Transport/storage/service temperature	°C	-20~+60

6.Packing and Marking

1.At least 1 m of inside end of cable will be reserved for testing

2.Drum length: Standard drum length is 2000m±2%, Can also be customized

3.Manufacturer's name

4.Type of wire

5.Year and month of manufacture

6.Length marking each meter along the wire

7. Mark the length of the optical cable per meter

8.Optical cable printing requirements

Optical Fiber Cable 2G657A2 SM Year/month/day xxxxM or Customized according to customer requirements