

Product Specifications

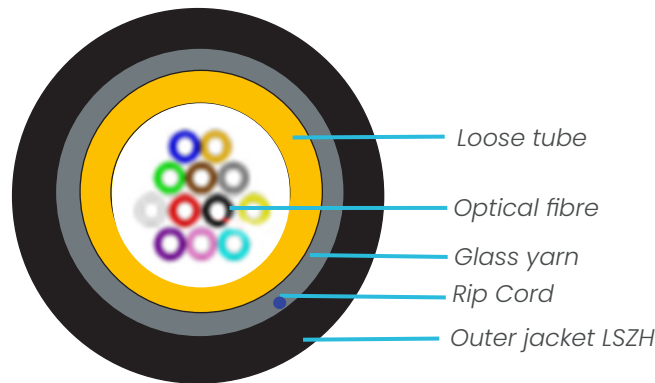
Product Family	Zybrspeed
Category	Fiber
Product	Fiber optic pre-fab loose tube In/Outdoor CCA
Item no.	ZSBA Series
Edition	1.0



Applications & Features

- ✔ Low insertion loss
- ✔ Compact design
- ✔ In- and Outdoor applications

Cross section



Fiber Parameters

G.652D

Mode field diameter		
1310nm	8.7 ~ 9.5	µm
1550nm	9.8 ~ 10.8	µm
Cladding diameter	125.0 ± 0.7	µm
Cladding non-circularity	<1.0	%
Core cladding concentricity error	<0.6	µm
Coating diameter	245 ± 5	µm
Coating non-circularity	<6.0	%
Cladding-Coating concentricity	<12.0	µm
Cable cutoff wavelength	<1260	nm
Attenuation		
1310nm	<0.34	dB/km
1550nm	<0.20	dB/km
1625nm	<0.24	dB/km

G.657A1

Mode field diameter		
1310nm	8.4 ~ 9.2	µm
1550nm	9.3 ~ 10.3	µm
Cladding diameter	125.0 ± 0.7	µm
Cladding non-circularity	<0.7	%
Core cladding concentricity error	<0.5	µm
Coating diameter	240 ± 5	µm
Coating non-circularity	<6.0	%
Cladding-Coating concentricity	<12.0	µm
Cable cutoff wavelength	<1260	nm
Attenuation		
1310nm	<0.35	dB/km
1550nm	<0.21	dB/km
1625nm	<0.23	dB/km



Fiber Parameters

G.657A2

Mode field diameter		
1310nm	8.4 ~ 9.2	μm
1550nm	9.3 ~ 10.3	μm
Cladding diameter	125.0 ± 0.7	μm
Cladding non-circularity	<0.7	%
Core cladding concentricity error	<0.5	μm
Coating diameter	240 ± 5	μm
Coating non-circularity	<6.0	%
Cladding-Coating concentricity	<12.0	μm
Cable cutoff wavelength	<1260	nm
Attenuation		
1310nm	<0.35	dB/km
1550nm	<0.21	dB/km
1625nm	<0.23	dB/km

OM3

Core diameter	50.0 ± 2.5	μm
Cladding diameter	124.8 ± 0.7	μm
Core non-circularity	<5.0	%
Cladding non-circularity	<1.0	%
Core cladding concentricity error	<1.0	μm
Coating diameter	245 ± 5	μm
Coating non-circularity	<6.0	%
Cladding-Coating concentricity	<12.0	μm
OFL bandwidth @850nm	>2000	Mhz/km
Effective modal bandwidth @850nm	>2000	Mhz/km
Attenuation coefficient		
850nm	<2.30	dB/km
1300nm	<0.60	dB/km

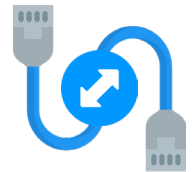


OM4

Core diameter	50.0 ± 2.5	μm
Cladding diameter	125.0 ± 0.7	μm
Core non-circularity	<5.0	%
Cladding non-circularity	<1.0	%
Core cladding concentricity error	<0.6	μm
Coating diameter	245 ± 7	μm
Coating non-circularity	<6.0	%
Cladding-Coating concentricity	<10.0	μm
OFL bandwidth		
850nm	>3500	Mhz/km
1300nm	>500	Mhz/km
Effective modal bandwidth		
850nm	>4700	Mhz/km
1300nm	>500	Mhz/km
Attenuation coefficient		
850nm	<2.40	dB/km
1300nm	<0.60	dB/km

Cable Parameters

Fiber types Fiber count Optical fibre Dimension Color Loose tube Dimension Material Color Strength member material Outer jacket Dimension Material Color	G652D/A1/A2/OM3/OM4 1-24 250.0 ± 15 μm Standard color 2.8 ± 0.2 mm LSZH White Glass yarn 5.8 ± 0.3 mm LSZH Black
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Mechanical and environmental properties

Tension (long term) Tension (short term) Crush (long term) Crush (short term) Min. Bend radius (dynamic) Min. Bend radius (static) Installation temperature Operation temperature Storage temperature	500 N 1000 N 300 N/10cm 1000 N/10cm 20D mm 10D mm -10~60°C -20~70°C -20~70°C
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