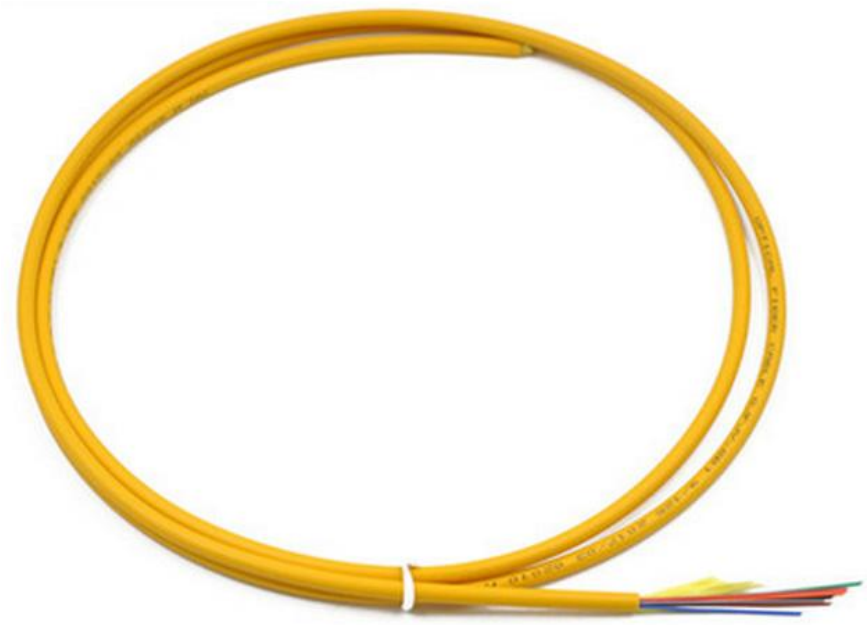
ZORA Indoor OS2 Single Mode Cable

Indoor OS2 Single Mode Cable Overview

ZORA brand fiber can meet the highest performance requirements of data communication, voice and video network requirements, ZORA indoor fiber is suitable for any indoor application. The 900M compact buffer protective layer is designed to withstand frequent twists and complex wiring, both of which are typical in indoor environments.



ZORA brand Indoor OS2 Single Mode Cable is suitable for backbone and horizontal applications and can be directly connected to connectors, thus saving installation time and reducing connection costs.

Features

- Number of fiber cores: 4 to 24
- Extremely flexible compact buffer protective layer design
- ATM, FDDI, Fiber Channel performance guarantee
- As a reinforcement material, aramid fiber has excellent tensile strengt
- Anti-corrosion, waterproof, anti-ultraviolet radiation, has the advantages of environmental protection

Conform to standards

- Between buildings
- Backbone network
- Drop ceiling
- 10Gbps 40 / 100Gbps Ethernet
- 550MHz broadband video
- Storage Local Area Network (SAN), data center
- Suitable for any indoor wiring needs

Applications

- ANSI/TIA 568-2.D
- ISO/IEC11801 / CENELEC EN 50173
- IEC60794-1 / IEC60332-3C

Ordering information

Product number	Product name	Packing specification
ZRC51SM-4	ZORA 4-core indoor OS2 fiber optic cable	2 km/roll
ZRC51SM-6	ZORA 6-core indoor OS2 fiber optic cable	2 km/roll
ZRC51SM-8	ZORA 8-core indoor OS2 fiber optic cable	2 km/roll
ZRC51SM-12	ZORA 12-core indoor OS2 fiber optic cable	2 km/roll
ZRC51SM-24	ZORA 24-core indoor OS2 fiber optic cable	2 km/roll

Color Configuration

Fiber color - First set of 12 cores

Class Number	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
Class Number	7	8	9	10	11	12
Color	Red	Black	Yellow	Purple	Pink	Blue

Technical specification

Structure

Outer skin and cushioned protective layer

Skin material	Low smoke non-toxic
Cable reinforcement material	Aramid fibre
Main buffer layer | compact buffer	250 microns ± 5 microns | 900 microns ± 50 microns
Fiber size	9/125 microns

Technical data - Mechanical

Maximum tensile strength (IEC794-1)

Install	660N
Operation	220N
Compressive strength	1000N/100mm

Minimum bending radius (IEC794-1)

Install	20 x Diameter
Operation	10 x Diameter

Operating temperature	
Install	-20℃ ~ +60℃
Transport	-20℃ ~ +60℃

Technical data - Physics						
Fiber core number	2	4	6	8	12	24
Cable diameter (mm)	4.0±0.20	4.8±0.25	5.1±0.25	5.6±0.25	6.2±0.25	8.1±0.30
Cable weight (kg/km)	About equal to 14	About equal to 20	About equal to 23	About equal to 30.8	About equal to 37	About equal to 59.9

Technical Data - Transmission

Fiber type	Wane				OFL Bandwidth	Effective modal bandwidth	10G Ethernet SX	Minimum Bending Radius
Conditions	1310/1500 nm		850/1300 nm			850 nm	850nm	
	Normal	Maximum	Normal	Maximum				
Single Bit	dB/kilometers	dB/kilometers	dB/kilometers	dB/kilometers	MHz/kilometers	MHz/kilometers	M	MM
G652D	0.36/0.22	0.5/0.4	---	---	---	---	---	16
G657A1	0.36/0.22	0.5/0.4	---	---	---	---	---	10
G657A2	0.36/0.22	0.5/0.4	---	---	---	---	---	7.5
50/125	---	---	3.0/1.0	3.5/1.5	≥500/500	---	---	30
62.5/125	---	---	3.0/1.0	3.5/1.5	≥200/500	---	---	30
OM3	---	---	3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	30
OM4	---	---	3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	30
BI-OM3	---	---	3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	7.5
BI-OM4	---	---	3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	7.5