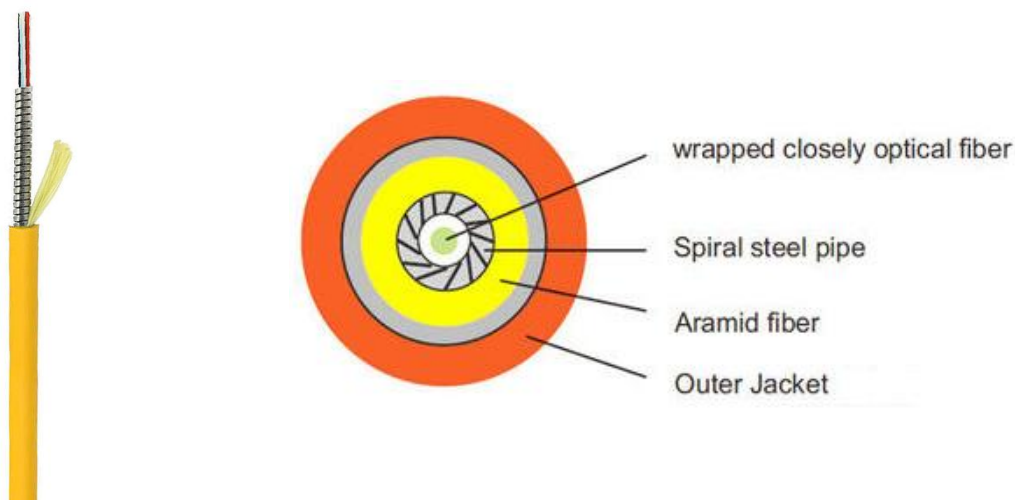


Indoor Fiber Optic Cables

Spiral Steel Pipe Indoor Fiber Cable

Cross Section:



Technical data:

Numbers of fibers	1-12F
Design(Strength Member+Tube&Filler)	Aramid Yard
Fiber type	Single mode G.657.A1/OM1/OM2/OM3
Strength Member	Aramid Yard+FRP Strength Member
Aarmor	Spiral steel pipe
Filler Rope	No
Water Blocking Layer (Material)	No
Additional Strength Member(Material)	No
Outer Sheath	Low smoke zero halogen (LSZH)
Cable Diameter($\pm 0.2\text{mm}$)	3.0-3.5mm
Cable Weight($\pm 10.0\text{kg/km}$)	35kg
Attenuation coefficient	@ 1310nm $\leq 0.35\text{dB}$; @ 1550nm $\leq 0.2\text{dB}$
Min. bending radius Without Tension	10.0×Cable- ϕ
Min. bending radius Under Maximum Tension	20.0×Cable- ϕ

Indoor Fiber Optic Cables

Description:

Armour single core and bi-core optical cable consist of stainless steel spiral pipe wrapped closely optical fiber, Kevlar and outer jacket. The optical cable possesses excellent mechanical characteristics and is easy to wiring and process further and is good transmission medium in telecommunication field. The product is widely used for national communication, broadcast and television system, building intelligence control, electric power control system, traffic communication system, Intracity networks and local area network.

Oilfield, mining operation, radar, etc communication transmission

Indoor level wiring, vertical wiring inside building

Lay out directly optical cable along with indoor wall, ceil, interlayer and conduit connection

Process armoured jumper

Communication wiring of army field fight

Fibre Colors

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

Loose Tube Colors

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

Standards

ITU-T Rec. G.652.D

IEC 60794

GR-409

IEEE1222-2004

ICEA-596

YD/T 1997-2009

ISO9001

Indoor Fiber Optic Cables

Single mode optical fiber (ITU-T Rec. G.652.D)

Item	Description
Fiber type	Single mode
Fiber material	Doped silica
Attenuation coefficient	
@ 1310 nm	≤ 0.35 dB/km
@ 1383 nm	≤ 0.32 dB/km
@ 1550 nm	≤ 0.21 dB/km
@ 1625 nm	≤ 0.24 dB/km
Point discontinuity	≤ 0.05 dB
Cable cut-off wavelength	≤ 1260 nm
Zero-dispersion wavelength	1300 ~ 1324 nm
Zero-dispersion slope	≤ 0.092 ps/(nm ² .km)
Chromatic dispersion	
@ 1288 ~ 1339 nm	≤ 3.5 ps/(nm. km)
@ 1271 ~ 1360 nm	≤ 5.3 ps/(nm. km)
@ 1550 nm	≤ 18 ps/(nm. km)
@ 1625 nm	≤ 22 ps/(nm. km)
PMDQ (Quadrature average*)	≤ 0.2 ps/km ^{1/2}
Mode field diameter @ 1310 nm	9.2±0.4 μm
Core / Clad concentricity error	≤ 0.5 μm
Cladding diameter	125.0 ± 0.7 μm
Cladding non-circularity	$\leq 1.0\%$
Primary coating diameter	245 ± 10 μm
Proof test level	100 kpsi (=0.69 Gpa), 1%
Temperature dependence 0°C ~ +70°C	≤ 0.1 dB/km

Indoor Fiber Optic Cables

Order Informations:

Marking	Per customer's request
Package	Per customer's request
Delivery time	Normally 25 days after received the deposit.
Brand	OEM

Online Service:

Skype	kingtone3
Wechat	king-tone
Whatsapp	0086 18268009191
Email	michael@zion-communication.com

