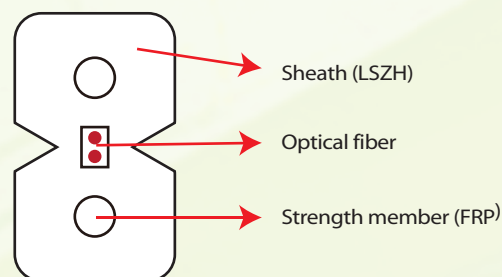
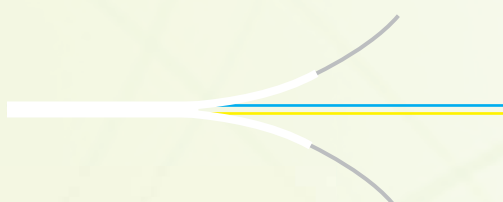




Fiber Cable

FTTH Indoor Drop Cable



Product Overview

TTECH Fiber Indoor drop cable is widely used in FTTH network, in which final connection to the subscriber's premises is optical fiber. The indoor fiber construction comprises of two coloured optical fibers, 2 parallel FRP (Fiber Reinforced Plastic) strength member and LSZH jacket.

Features

- Very compact tightly-jacketed and light weight for indoor application
- Low bending loss, ideal access cable in PON (Passive Optical Network)
- These cables are available as single-core to multi core to suit varied network architectures
- Comply to ITU-T G652D, G657A, IEC-60332
- Allow high bending radius, thus provide good bending performance
- Physically flat for easy cable laying and allocation
- Low smoke zero halogen (LSZH) jacketed

Specification

Structure & Environment Characteristic		
Peripheral Strength Member	Material	FRP
	Diameter	0.5 mm
Sheath	Material	LSZH / white
Operating Temperature	-20 °C + 60 °C	
Storage / Transport Temperature	-20 °C + 60 °C	
Installation Temperature	-20 °C + 60 °C	

Mechanical Characteristic								
Fiber Count	Outer Diameter (MM)	Cable Weight (kg/km)	Crush Resistance		Tensile Load		Bending Radius	
							Static (mm)	Dynamic (mm)
			Short Term (N/10cm)	Long Term (N)	Short Term (N)	Long Term (N)	G652D/G657A2	
							Short Term	Long Term
1	2.0 x 3.0	8.5	800	400	80	40	30	60
2	2.0 x 3.0	8.5	800	400	80	40	30	60
3	2.0 x 3.5	11.00	800	400	80	40	30	60



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Fiber Colour Code				
No.of fiber	1	2	3	4
Colour of fiber	Blue	Orange	Green	Brown

Optical Performance				
	Wavelength	G652D	50/125μm	50/125μm (OM3)
Max Attenuation dB /km	850/1300nm	-	≤3.2 / ≤1.2	≤3.2 / ≤1.2
	1310 / 1550nm	≤ 0.36 / ≤ 0.25	-	-
Minimum Bandwidth MHz· km	850 / 1300 nm	-	500/500	1500 / 500 @ LED
				2000 / 500 @ Laser
		Wavelength	9/125 μm	
Max Attenuation (dB/km) Uncabled fiber macrobending loss		1310 / 1550nm	≤ 0.36 / ≤ 0.25	
		ITU -T G.657.A2 fiber		
		Radius (mm)	10	7.5
		Number of turn	1	1
		Max. At 1550 nm (dB)	0.1	0.5

Ordering Information

Part Number	Description
TTOC-DI91C	TTECH Fiber Indoor Drop Cable 1 Core
TTOC-DI92C	TTECH Fiber Indoor Drop Cable 2 Core
TTOC-DI94C	TTECH Fiber Indoor Drop Cable 4 Core