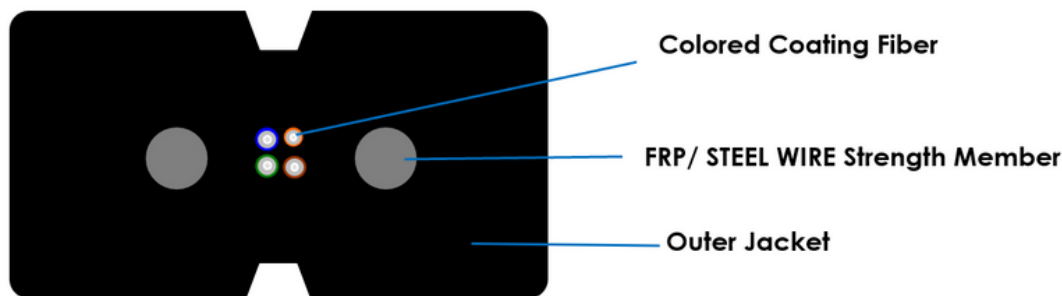


MAIN STRUCTURE



DESCRIPTION

INSHEILD 2 Core and 4 Core flat drop cable is for Fibre to the Home (FTTH) application. Indoor Flat FTTH Drop Cable is used in high speed and broadband telecommunication application and is suitable for indoor applications. The Fiber Optic Cable is placed in center of the cable. This cable has two strength member placed each side to strengthen it. It is generally used for connecting Main distribution frame to consolidation point at home, apartment or offices.

APPLICATION

Indoor cabling for FTTx systems

PRODUCT CLASSIFICATION

Make	Insheild
Regional Availability	Middle East:
Product Type	2 Core and 4 Core flat drop cable

Features

- 1.Special Low Bend Insensitive fiber provides high bandwidth Excellent communication transmission property.
- 2.Zero Bend Loss with Bend Insensitive G.657A1/A2 Fiber for uninterrupted 10 G Ethernet Performance
- 3.With zero bend radius easy installation in space constraint areas
- 4.Two parallel FRP/ steel strength members ensure good performance of crush resistance to protect the fiber.
- 5.Simple structure lightweight and high practicability
- 6.Low smoke, zero halogen and flame retardant sheath.
- 7.RoHS materials compliant.

STANDARD COMPLIANCE

- ITU-T G652.B OS1
- ITU-T G652.D/G655/G657.A1/G657.A2 OS2
- ISO/IEC 11801
- ANSI/TIA/EIA 568C.3
- ROHS compliant Directive 2002/95/EC
- LSZH: IEC 60332-1, IEC 60754, IEC 61034

TECHNICAL DATA

Technical Parameters		Value
Colored Coating Fiber	Dimension	250±15μm
	Color	Blue、 Orange、 Green、 Brown
Strength Member	Dimension	0.45mm
	Material	FRP/Steel Wire
Jacket	Dimension	3.1±0.1mm×2.1±0.1mm
	Material	LSZH
	Color	Black, White
Fiber Counts		124
IEC 11801 classification		OS2
ITU-T type		G657A1/A2
Fiber Type		Singlemode Bend Insensitive

ORDERING INFORMATION

Part Number	Description
IN-2657A1-XX	Fibre Optic FTTH 9/125 SM Drop Cable (G657.A1] , 2C, LSZH
IN-2657A2-XX	Fibre Optic FTTH 9/125 SM Drop Cable (G657.A2] , 2C, LSZH
IN-4657A1-XX	Fibre Optic FTTH 9/125 SM Drop Cable (G657.A1] , 4C, LSZH
IN-4657A2-XX	Fibre Optic FTTH 9/125 SM Drop Cable (G657.A2] , 4C, LSZH

Color - XX - BL-Black, WH-White

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Parameters	Value/Value Range
Cladding non-circularity	≤ 1.0 %
Mode field diameter@1310m	8.6±0.4 μm
Cladding diameter	125±1 μm
Core concentricity error	≤ 0.6 μm
Primary coating diameter	250±15 μm
Coating-cladding concentricity error	≤ 12.5 μp
Fibre bend radius	≥ 4 m
Proof level	≥ 1.5 % strain
Fibre type	9/125 [G652.B] OS1
	9/125 [G652.D] OS2
	9/125 [G655] OS2
	9/125 [G657.A1] OS2
	9/125 [G657.A2] OS2
Tensile load	80 N
Bend radius	15 mm
Temperature	-20°C to 60°C

TEST REPORT

Indoor cabling for FTTx systems

PACKING

- Standard Packing Reel of 2KM each. Custom cable length available.
- Each length of the cable shall be wound on wooden reel.
- Cable ends sealed with plastic tape to prevent the entry of moisture during shipping, handling and storage.
- Multiple wooden reels packed on wooden pallets and fastened securely suitable for both air and sea shipments.