

KeyQuick® Low Friction Indoor Cable

A Low Friction Indoor Cable has been designed for premise application in the FTTx network, especially where there are many existing cables and the duct is congested. As a result of optimizing the designs of outer dimension, sheath material and stiffness, the remarkable improvement of cable installation through a conduit line is demonstrated. Optical fibres are protected by low friction flame retardant polyethylene, and the cable contains two steel wire strength members. It supports low radius of curvature, and it is supplied with fibre G.657.B2.

In combination with KeyQuick® Field Connectors, Low Friction Indoor cable highly reduce the installation time and costs.

Applications

- Low Friction sheath, "friction coefficient" over 75% in comparison with conventional indoor cables
- Easy to push through congested conduits (allows pushing the cable directly into the duct)
- Small diameter, reduces the "size" more than 40%, compared with conventional indoor cables
- Reduce installation time and costs
- Easy jacket removal using standard tools
- Supports low radius of curvature
- Supplied with fibre G.657.B2

Related Item



Key-Tool-Kit Metal Case

KeyQuick®
Field Installable

Specifications

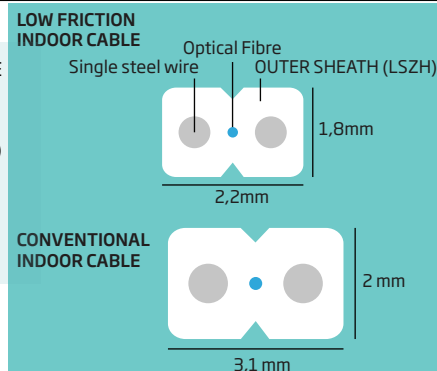
Cable Properties

No. Of Fibres	1	
Colour Of Fibre	BLUE	
Type Of Fibre	ITU-T SM G657.B2	
Strength Member	0.4 mm Steel Wire (2)	
Sheath Material	Low Smoke Zero Halogen (LSZH)	
Sheath Colour	White	
Cable Dimensions - Height	1.8 ± 0.1 mm	
Width	2.2 ± 0.1 mm	
Cable Weight	7.0 ± 1 Kg/Km	
Tensile Strength - Installation	Newton	200
- Operating		100
Min. Bending Diameter	mm	15
Crush Resistance	Newton/10cm	500
Temperature Performance	°C	- 20 to + 60
Operating / Storage		
Packing Length	Km	1.0 / 2.0 ± 10 %

Fibre Properties

Characteristics	Unit	Value
Attenuation @ 1310 nm	dB/km	≤ 0.4
@ 1383 nm		less than 1310 nm
@ 1550 nm		≤ 0.3
Chromatic Dispersion 1285 - 1330 nm	ps/nm.km	≤ 3.5
1550 nm		≤ 18.0
Zero Dispersion Wavelength	nm	1300 to 1324
Zero Dispersion Slope	ps/nm2.km	≤ 0.092
Cabled Cut Off Wavelength	nm	≤ 1260
Mode Field Diameter at 1310 nm	um	7.0 ± 0.4
Core - Clad Concentricity Error	um	≤ 0.5
Cladding Non Circularity	%	≤ 1.0
Cladding Diameter	um	125 ± 0.7
Coating Diameter	um	245 ± 5
Coating Cladding Conc. Error	um	≤ 12.0

CABLE TYPE	LOW FRICTION INDOOR CABLE	CONVENTIONAL INDOOR CABLE
Dimensions (mm)	1.8 x 2.2mm	2.0 x 3.1
Strength member	Steel Wire (2)	Aramid Reinforced Plastic (2)
Tensile Strength (N)	200 (Installation)- 100 (Operating)	100(Installation), 50 (Operating)
Min. bending diameter (mm)	15mm	20mm
Crush Resistance (N/10cm)	500N	500N
Weight (kg)	7.0±1.0 Kg/Km	8.5.0±1.0 Kg/Km
Pushing Installation	YES	NO



Part Number	Description	Sheath colour	Packaging	Drum Dimensions (cm)
F-IND-1FO-G657B2-2S-W2.2	Low Friction Indoor Cable 1FO SM G657 B2 LSZH 2.2mm, steel wire,1Km drum	White	1km / drum	35.5(H) x 20.5 (W) x 35.5(L)