

Low Friction Indoor Cable

Low friction cable is designed for premise application in the FTTx network especially where the duct is congested with existing cable. Low friction cable reduces the “Size” over 40% and “Friction coefficient” over 75% compare to conventional indoor cable. Low friction cable is also designed for pushing installation for congested duct.



Features and Benefits

- Reduces the “Size” over 40% and “Friction coefficient” over 75% compare to conventional indoor cable
- Time proven technologies with a proven history
- Allows pushing installation (Pushing the cable directly in to the duct)
- Able to install 30 cables in to the duct (22 mm inner diameter duct)
- Easy jacket removal without special tools



Twisted and tangled free packing



30 cables in the pipe of 22 mm in inner diameter at once



Available the pushing installation

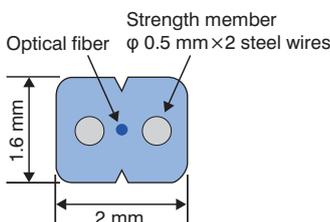
Specification

Item	Specification
Cable type	Low friction indoor cable
Fiber count	1
Outer diameter (W×H mm)	1.6×2.0
Strength member (mm)	Steel wire: Nominal ϕ 0.5×2
Weight (kg/km)	7
Maximum pulling tension (N)	230
Minimum bending radius (mm)	Dynamic: 30 Static: 15
Standard length (m)	1000

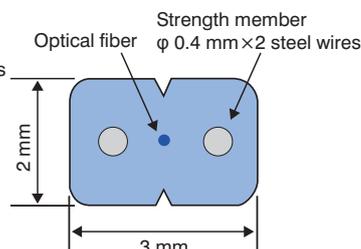
* This is typical specification. Furukawa Electric reserves the right to improve, enhance and modify the specification of these products without prior notification.

Comparison the cross section between 1-fiber low friction indoor cable and 1-fiber indoor cable

Low friction indoor cable



Indoor cable (Conventional indoor cable)



Low friction indoor cable is reduced the cable size over 40%

Item	Specification	
Cable type	Low friction indoor cable	Indoor cable
Dimension (mm)	1.6×2.0	2.0×3.0
Cross section (mm ²)	3.2	6.0
Strength member (mm)	ϕ 0.5	ϕ 0.4
Maximum pulling tension (N)	230	98 (Metallic)
Weight (kg/km)	7	10
Friction	75% lower than conventional indoor cable	Standard friction
Pushing installation	Yes	No
Packing	Twisted and tangle-free	Coil