

# Product Information – OpDAT VIK with mini breakout cable compact



Pre-terminated installation cables (VIK) are fiber optic cables with connectors on one or both ends that are made in manual single-item production by respecting highest quality demands. Combined with mini breakout cable compact (MBO C) they are

suitable for indoor use, especially for Fiber-in-the-Home applications. VIKs are often used together with OpDAT wall outlets. They allow a rapid and easy to install point-to-point connection for example from the apartment to the equipment room.

## Properties

- > Fiber type: bend insensitive singlemode fiber, OS2
- > Pre-terminated with connector types LC and SC
- > Number of fibers from 1 to 4, cascaded
- > Available with plugs of quality class **Grade B**:  
In this case, particularly low insertion loss values are achieved by selecting and processing the plug ferrules.
- > Lengths from 2 to 200 m

- > Bubble wrap, IP50 insertion aid or Compact insertion aid are available as fan protection
- > It is not suitable to pull the cable into cable ducts
- > Available as cable coil or on wooden drum (depends on length)
- > 100% testing of insertion loss and return loss, delivered with measuring protocol

## Areas of Use

- > Building backbone (floor cabling)
- > Fiber-to-the-Desk
- > Fiber-in-the-Home

## Fanout protection



### Bubble wrap

provides simple mechanical protection during transport and installation. It is not suitable for pulling into cable ducts or cable shafts!



### Pulling aid IP50

With a diameter of 29.5 mm, it is designed for installation in cable ducts or cable shafts. It is the most mechanically robust fanout protection: impact-resistant, with IP50 protection, and easy to remove

### Compact pull-in aid

With a diameter of 16 mm, the cable puller protects the internal connectors during installation. The puller eyelet is connected to the cable's Kevlar sheath, thus guaranteeing optimal cable routing.



### Mounting set

The mounting set is available as an option and is used to securely fix the VIKs, e.g. in a patch panel or wall-mounted distributor. When ordering with pulling aid, the screw connection is included in the scope of delivery.



## Technical Data

USED FIBER TYPE	SINGLEMODE FIBER (9/125 μM)
ISO/IEC 11801 / EN 50173	OS2
IEC	60793-2-50 B.1.3 and B6_a
ITU-T	G.657.A1 and G.652.D
Attenuation at 1310 to 1625 nm	≤ 0,38 dB/km

USED CONNECTOR		SC	SC GRADE B	LC	LC GRADE B
IEC			61754-4		61754-20
Insertion loss (IEC 61300-3-4 method B)	max.	0.3 dB <sup>1)</sup>	0.25 dB <sup>2)</sup>	0.3 dB <sup>1)</sup>	0.25 dB <sup>2)</sup>
	typically	0.15 dB <sup>1)</sup>	0.15 dB <sup>2)</sup>	0.15 dB <sup>1)</sup>	0.15 dB <sup>2)</sup>
Return loss	UPC polishing		> 50 dB		> 50 dB
	APC polishing		> 65 dB		> 65 dB

<sup>1)</sup> Measured against master

<sup>2)</sup> Measured by random combination

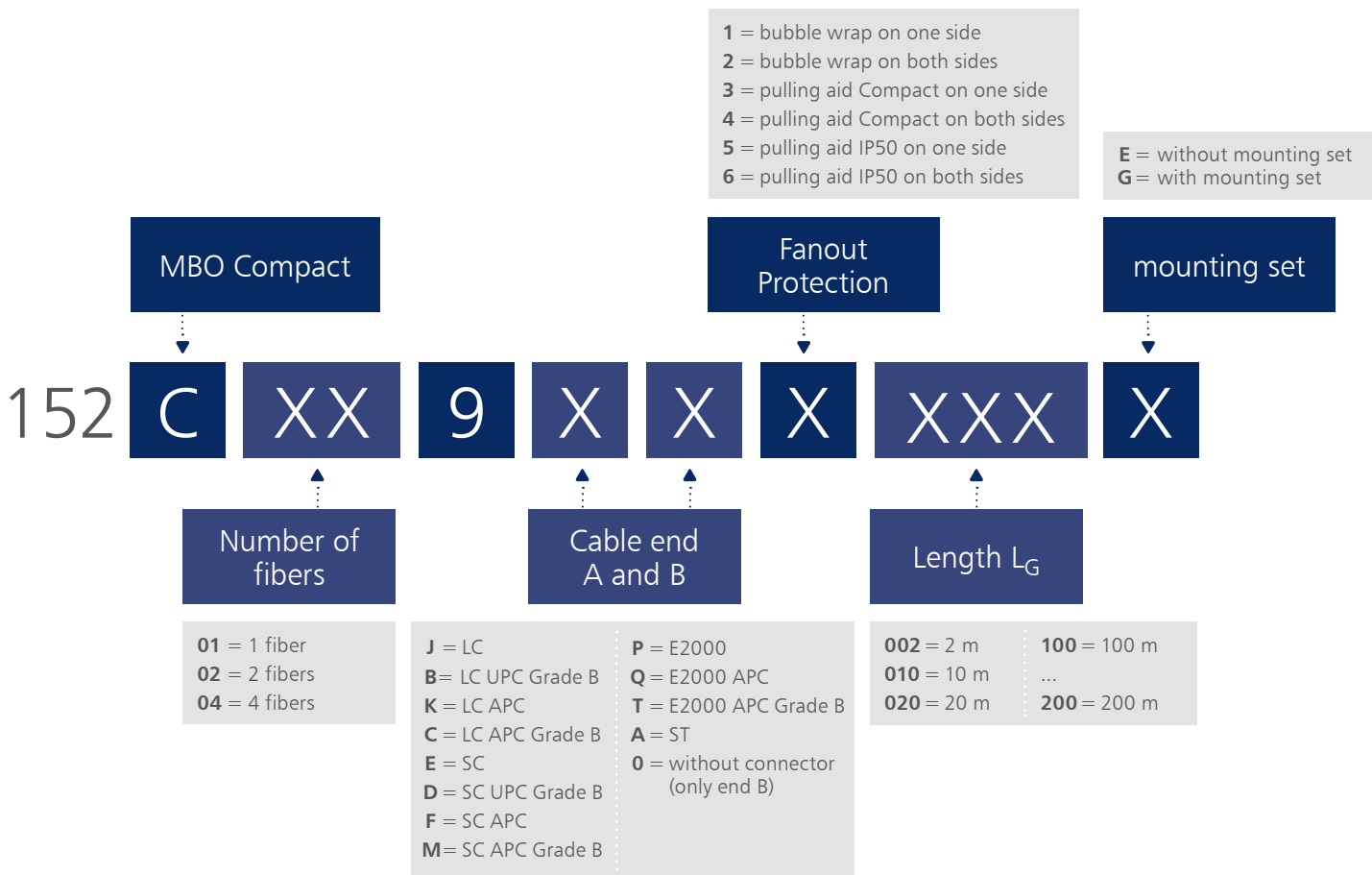
Please note that the insertion loss of the OpDAT VIK consists of connector and fiber attenuation. With great lengths the fiber attenuation may be the main part of the insertion loss.

## Technical Data

### 4 FIBERS

Cable	Cable type		FITH-cable, white
	Cable structure (number of fibers x cores)		4 x 1
	Outer diameter		4.5 mm
	Cable weight		21 kg/km
	min. bending radius		15 mm
	Fire behaviour		Flame retardant in accordance with IEC 60332-1 Halogen free in accordance with IEC 60754-1 Smoke density in accordance with IEC 61034-2 Fire protection class D <sub>ca</sub>
Attachment	Mounting set (optional)		M20
	Hole for attachment		20,5 ± 0,2 mm
Fanout	Single cable		0.9 mm, semi-tight buffered fiber
	Length	L <sub>Fmax</sub>	1 Fiber 310 mm 2 Fibers 350 mm 4 Fibers 430 mm
		L <sub>Fmin</sub>	350 mm
	Marking		Colour coded according to IEC 60304, ① = L <sub>Fmax</sub> = red 310 mm
Pulling aid IP50	max. outer diameter		29.5 mm
Pulling aid compact	max. outer diameter		16 mm
Delivery	Length L <sub>G</sub>	2 to 100 m	Cable ring, packed in foils and cardboard drum Ø 600 mm, packed in cardboard
		101 to 200 m	

## Ordering information



Use our cable configurator on our website [www.metz-connect.com](http://www.metz-connect.com). It allows you to configure cables according to your individual requirements and to order them directly.



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