

Product Discontinuation Notice

Issue Date
April, 2023

Product Discontinuation

Name of Category



FHV-VN□B□ series
FHV-VD□B□ series
FHV-VU□B□ series



Recommended Replacement

Name of Category

FHV-VN□B□2 series
FHV-VD□B□2 series
FHV-VU□B□2 series

[Final order entry date]

The end of March, 2024

[Date of The Last Shipping]

The end of September, 2024

[Caution on recommended replacement]

Since there is no change in the shape of the connector, there is no effect on fitting and connection with the sensor body. (FHV7 / FH-SMD series)

However, there are changes in the specifications below, including the dimensions, so please check and review the environment before using.

●Major changes

Lineup: Super bend resistant cables (lineup changed from 2/3/5/10m to 5/10m)

External shape/size: Dimensions, outer diameter, weight

Environmental temperature resistance: Ambient temperature range during operation and storage.

Degree of protection: Degree of protection when connecting super bend resistant cables

[Difference from discontinued product]

Recommended replacement Model		Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
Bending Resistance Cables	FHV-VNB2 FHV-VNLB2	--	*	**	**	*	**	**
	FHV-VDB2 FHV-VDLB2	*	*	**	**	*	**	**
	FHV-VUB2 FHV-VULB2	**	*	**	**	*	**	**
Super Bending Resistance Cables	FHV-VNBX2 FHV-VNLBX2	**	*	**	**	*	**	**
	FHV-VDBX2 FHV-VDLBX2	**	*	**	**	*	**	**
	FHV-VUBX2 FHV-VULBX2	**	*	**	**	*	**	**

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement]

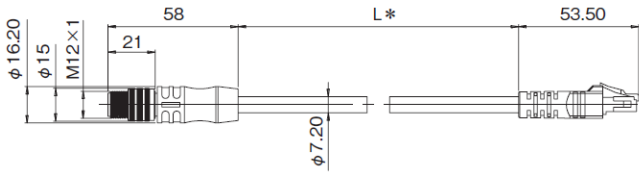
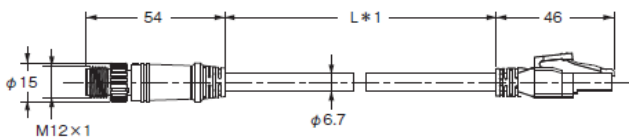
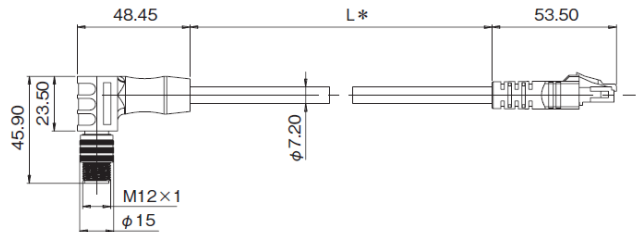
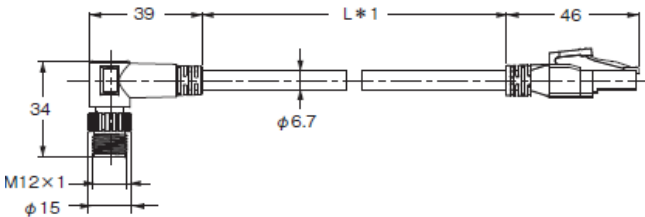
Type.	Product discontinuation	Recommended replacement
Bending Resistance Cables	FHV-VNB / FHV-VNLB	FHV-VNB2 / FHV-VNLB2
	FHV-VDB / FHV-VDLB	FHV-VDB2 / FHV-VDLB2
	FHV-VUB / FHV-VULB	FHV-VUB2 / FHV-VULB2
Super Bending Resistance Cables	FHV-VNBX / FHV-VNLBX	FHV-VNBX2 / FHV-VNLBX2
	FHV-VDBX / FHV-VDLBX	FHV-VDBX2 / FHV-VDLBX2
	FHV-VUBX / FHV-VULBX	FHV-VUBX2 / FHV-VULBX2

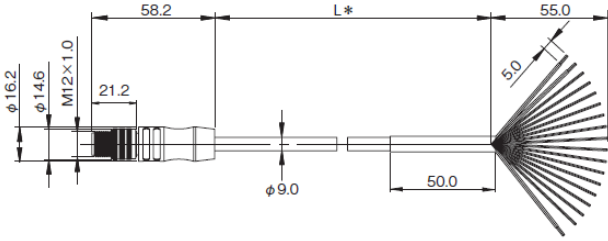
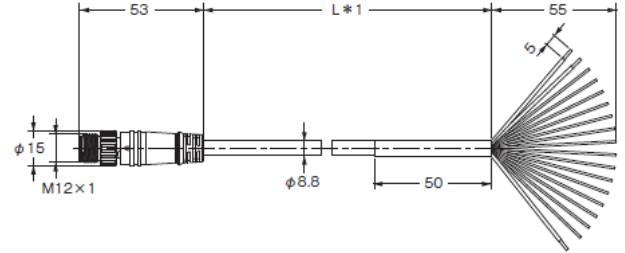
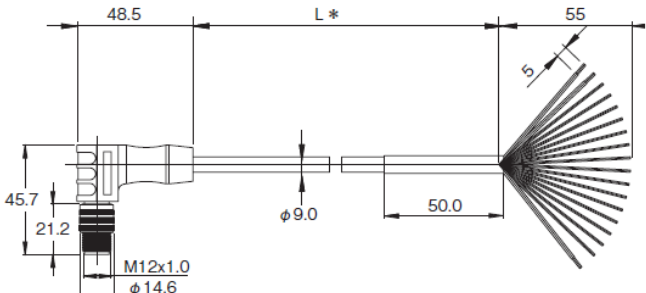
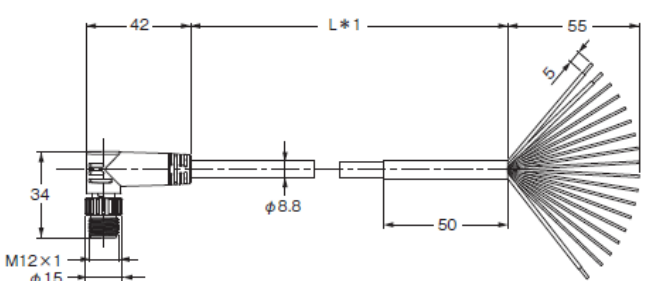
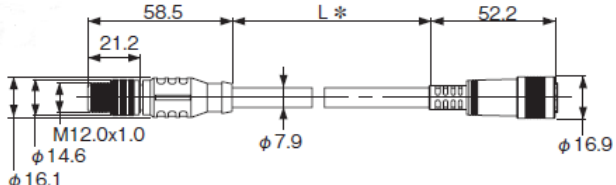
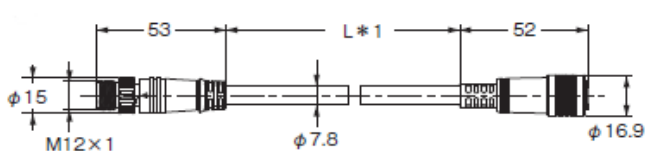
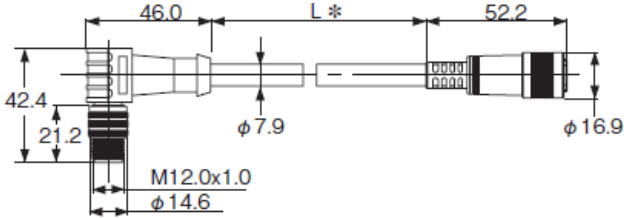
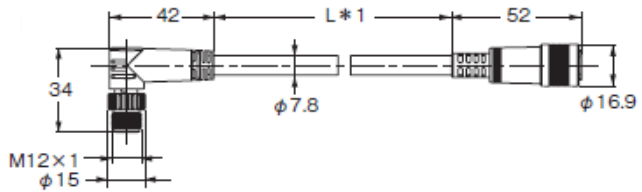
[Body color]

Product discontinuation Model FHV-VNB □m Model FHV-VNLB □m	Recommendable replacement Model FHV-VNB2 □m Model FHV-VNLB2 □m
Cable color: Green 	Cabel color: Black 
Product discontinuation Model FHV-VDB □m Model FHV-VDLB □m	Recommendable replacement Model FHV-VDB2 □m Model FHV-VDLB2 □m
Stripe color: Black 	Stripe color: Blue 

[Dimensions]

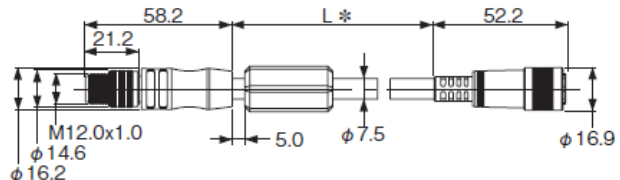
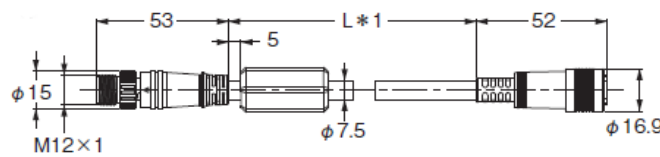
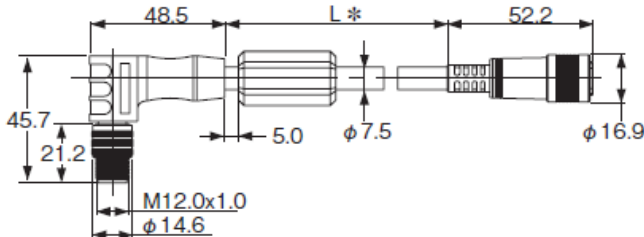
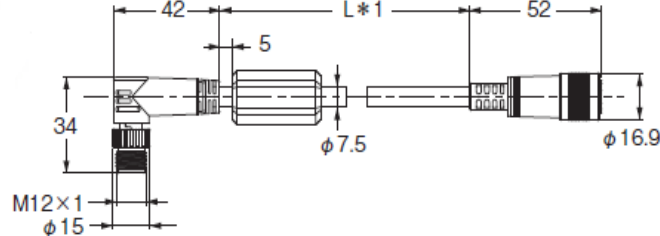
● Bending Resistance Cables

Product discontinuation Model FHV-VNB □m	Recommendable replacement Model FHV-VNB2 □m
Cable Length: 2/3/5/10/20m Diameter: 7.2mm dia. 	Cable Length: 2/3/5/10/20m Diameter: 6.7mm dia. 
Product discontinuation Model FHV-VNLB □m	Recommendable replacement Model FHV-VNLB2 □m
Cable Length: 2/3/5/10/20m Diameter: 7.2mm dia. 	Cable Length: 2/3/5/10/20m Diameter: 6.7mm dia. 

Product discontinuation Model FHV-VDB □m	Recommendable replacement Model FHV-VDB2 □m
Cable Length: 2/3/5/10/20m Diameter: 9.0mm dia. 	Cable Length: 2/3/5/10/20m Diameter: 8.8mm dia. 
Product discontinuation Model FHV-VDLB □m	Recommendable replacement Model FHV-VDLB2 □m
Cable Length: 2/3/5/10/20m Diameter: 9.0mm dia. 	Cable Length: 2/3/5/10/20m Diameter: 8.8mm dia. 
Product discontinuation Model FHV-VUB □m	Recommendable replacement Model FHV-VUB2 □m
Cable Length: 2/3/5/10/20m Diameter: 7.9mm dia. 	Cable Length: 2/3/5/10/20m Diameter: 7.8mm dia. 
Product discontinuation Model FHV-VULB □m	Recommendable replacement Model FHV-VULB2 □m
Cable Length: 2/3/5/10/20m Diameter: 7.9mm dia. 	Cable Length: 2/3/5/10/20m Diameter: 7.8mm dia. 

● Super Bending Resistance Cables

Product discontinuation Model FHV-VNBX □m Cable Length: 2/3/5/10m Diameter: 6.3mm dia.	Recommendable replacement Model FHV-VNBX2 □m Cable Length: 5/10m Diameter: 6.6mm dia.
Product discontinuation Model FHV-VNLBX □m Cable Length: 2/3/5/10m Diameter: 6.3mm dia.	Recommendable replacement Model FHV-VNLBX2 □m Cable Length: 5/10m Diameter: 6.6mm dia.
Product discontinuation Model FHV-VDBX □m Cable Length: 2/3/5/10m Diameter: 7.2mm dia.	Recommendable replacement Model FHV-VDBX2 □m Cable Length: 5/10m Diameter: 7.2mm dia.
Product discontinuation Model FHV-VDLBX □m Cable Length: 2/3/5/10m Diameter: 7.2mm dia.	Recommendable replacement Model FHV-VDLBX2 □m Cable Length: 5/10m Diameter: Φ7.2mm dia.

Product discontinuation Model FHV-VUBX □m	Recommendable replacement Model FHV-VUBX2 □m
Cable Length: 2/3/5/10m Diameter: 7.5mm dia. 	Cable Length: 5/10m Diameter: 7.5mm dia. 
Product discontinuation Model FHV-VULBX □m	Recommendable replacement Model FHV-VULBX2 □m
Cable Length: 2/3/5/10m Diameter: 7.5mm dia. 	Cable Length: 5/10m Diameter: 7.5mm dia. 

[Wire connection]
Compatible and unchanged.

[Mounting dimensions]
Compatible and unchanged.

[Characteristics]

● Bending Resistance Cables (Sliding and bending performance: 10 million times or more)

Item	Product discontinuation Model FHV-VNB □m Model FHV-VNLB □m	Recommendable replacement Model FHV-VNB2 □m Model FHV-VNLB2 □m
Cable length	2/3/5/10/20m	2/3/5/10/20m
Outer diameter	7.2±0.3mm dia.	6.7±0.3mm dia.
Min. bending radius	Fixed use: 35mm Sliding use: 70mm	Fixed use: 35mm Sliding use: 50mm
Degree of protection	Equivalent to IP67 (with camera)	Equivalent to IP67 (with camera)
Ambient temperature range	Operating: -40~+80°C Storage: -40~+100°C	Operating: -10~+70°C Storage: -25~+85°C
Weight ※representative length	2M: Approx. 210g 20M: Approx. 730g	2M: Approx. 140g 20M: Approx. 1,150g

Item	Product discontinuation Model FHV-VDB □m Model FHV-VDLB □m	Recommendable replacement Model FHV-VDB2 □m Model FHV-VDLB2 □m
Cable length	2/3/5/10/20m	2/3/5/10/20m
Outer diameter	9.0±0.3mm dia.	8.8±0.3mm dia.
Min. bending radius	Fixed use: 54mm Sliding use: 72mm	Fixed use: 40mm Sliding use: 70mm
Degree of protection	Equivalent to IP67 (with camera)	Equivalent to IP67 (with camera)
Ambient temperature range	Operating: -30~+80°C Storage: -30~+100°C	Operating: -10~+70°C Storage: -25~+85°C
Weight ※representative length	2M: Approx. 270g 20M: Approx. 2,350g	2M: Approx. 250g 20M: Approx. 2,310g

Item	Product discontinuation Model FHV-VUB □m Model FHV-VULB □m	Recommendable replacement Model FHV-VUB2 □m Model FHV-VULB2 □m
Cable length	2/3/5/10/20m	2/3/5/10/20m
Outer diameter	7.9±0.3mm dia.	7.8±0.3mm dia.
Min. bending radius	47mm	Fixed use: 40mm Sliding use: 65mm
Degree of protection	Equivalent to IP67 (with camera)	Equivalent to IP67 (with camera)
Ambient temperature range	Operating: -30~+80°C Storage: -30~+100°C	Operating: -10~+70°C Storage: -25~+85°C
Weight ※representative length	2M: Approx. 220g 20M: Approx. 1,920g	2M: Approx. 200g 20M: Approx. 1,780g

● Super Bending Resistance Cables

(Sliding and bending performance: 100 million times or more)

Item	Product discontinuation Model FHV-VNBX □m Model FHV-VNLBX □m	Recommendable replacement Model FHV-VNBX2 □m Model FHV-VNLBX2 □m
Cable length	2/3/5/10m	5/10m
Outer diameter	6.3+0.3mm dia.	6.6+0.3mm dia.
Min. bending radius	38mm	40mm
Degree of protection	Equivalent to IP60 (with camera)	Equivalent to IP67 (with camera)
Ambient temperature range	Operating: -30~+80°C Storage: -30~100°C	Operating: -10~+70°C Storage: -25~+85°C
Weight ※representative length	5M: Approx. 330g 10M: Approx. 590g	5M: Approx. 390g 10M: Approx. 730g

Item	Product discontinuation Model FHV-VDBX □m Model FHV-VDLBX □m	Recommendable replacement Model FHV-VDBX2 □m Model FHV-VDLBX2 □m
Cable length	2/3/5/10m	5/10m
Outer diameter	7.2+0.7mm dia.	7.2+0.7mm dia.
Min. bending radius	44mm	44mm
Degree of protection	Equivalent to IP60 (with camera)	Equivalent to IP67 (with camera)
Ambient temperature range	Operating: -30~+80°C Storage: -30~100°C	Operating: -10~+70°C Storage: -25~+85°C
Weight ※representative length	5M: Approx. 400g 10M: Approx. 750g	5M: Approx. 420g 10M: Approx. 790g

Item	Product discontinuation Model FHV-VUBX □m Model FHV-VULBX □m	Recommendable replacement Model FHV-VUBX2 □m Model FHV-VULBX2 □m
Cable length	2/3/5/10m	5/10m
Outer diameter	7.5+0.6mm dia.	7.5+0.6mm dia.
Min. bending radius	47mm	47mm
Degree of protection	Equivalent to IP60 (with camera)	Equivalent to IP67 (with camera)
Ambient temperature range	Operating: -10~+60°C Storage: -10~+60°C	Operating: -10~+70°C Storage: -25~+85°C
Weight ※representative length	5M: Approx. 440g 10M: Approx. 860g	5M: Approx. 490g 10M: Approx. 920g

[Operation ratings]

No change.

[Operation methods]

No change.

Specifications and prices in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.