

June 2023

Regarding the current status of the Threaded, Coaxial Type Fiber FD-61G

Dear Panasonic Sales Representative,

We regret to inform you that despite our continued efforts to address defects in the production process of the fiber head FD-61G, we have been unable to eliminate the occurrence of defects and have no prospect of resuming production.

Therefore, we would like to inform you once again that we are unable to resume orders and shipments of the FD-61G at this time.

We deeply apologize for any inconvenience this may have caused and ask for your understanding and cooperation.

■Applicable products

Threaded, Coaxial Type Fiber FD-61G

Custom-made products with different fiber lengths FD-61G-□T

■Contents and status

As for defects in the production process, it has been confirmed that some products do not have the fixed strength of the fiber end fittings that meets the specified value due to the procurement lot of the component parts. We have been studying the improvement and replacement of parts, but there is no prospect of a design change that would eliminate the occurrence of malfunctions.

■Request to cancel an order and replace with a recommended product

We would like to suggest to our customers to consider canceling their orders for the previously ordered products (threaded, coaxial type fiber FD-61G and custom-made products with different fiber lengths FD-61G-□T) and replacing them with our standard threaded, parallel type (FD-61) and custom-made products with different fiber lengths FD-61-□T.

Recommended substitute: Threaded, Parallel Type Fiber FD-61

Performance comparison data such as sensing characteristics are also available for your use.

Sincerely,

<Main Spec Comparison>

Model No.	Suspended product	Recommended substitute
	FD-61G (Threaded, Coaxial Type)	FD-61 (Threaded, Parallel Type)
Shape of fiber sensor head		
Arrangement of fiber strands	Coaxial	Parallel 2-axis
Fiber cable length	2 m	
Free-cut	Possible	
Bending durability	Yes	
Bending radius	R4 mm	
Number of repeated bends	10 million times (at R10 mm)	
Sensing range *1	420 mm	450 mm
Protection	IP40	IP67
Ambient temp.	-55 to +80 °C	
Sensing characteristics		

*1: When using with FX-500 series (STD-mode)

■Supplementary Information

It has been confirmed that this malfunction occurred due to a specific component (Certain types of fiber strands and parts with wire diameter of ϕ 1 mm) and a specific structure (coaxial structure). Therefore, only FD-61G, FD-61G-□T and some custom-made products using the same structure are affected in this case.

It has been confirmed that the component causing this malfunction occurs in the component after 4M change of the target component. Since the parts before the 4M change are no longer available, we have not eliminated the defects.

*4M: When a problem occurs in a manufacturing process, a method of investigating four factors - Man, Machinery, Materials and Methods - to determine the cause of the problem

We have confirmed that there are no problems with products other than those listed above.

We hope that you understand the above situation.

END