

# Fiber Optic Cables

<b>MODEL</b>	<b>GTHN600 series</b>	<b>Vacuum-side through-beam M4 screw with M2.6 tip (for flange connection)</b>	<b>Search ID No.</b>	<b>119</b>
<b>Detection method</b>	Through-beam			

**CAD**

Model	GTHN605V	GTHN610V	GTHN615V	GTHN620V
Fiber optic cable length(m)	0.5	1	1.5	2
Ambient temperature	- 30 ~ + 350 °C			
Material	Covering	SUS spiral		
	Core	Glass		
Diameter	Cable	2.9		
	Core	Binding diameter: 1.5		
Allowable bending radius	R30			
Standard detection object diameter	φ 1.2			
Smallest allowable detection object diameter	φ 1.0			

Applicable amplifier

**F80R SERIES**

**F70 SERIES**  
**F71**

Detecting distances for individual amplifier models (mm)

<b>F80R</b>	Long-distance	480 (380)
	High-speed	270 (210)
<b>F70R/AR</b>		270 (210)
<b>F71R</b>		230 (170)

Values in parentheses show detecting distances for combinations with GTHN620V.

<b>MODEL</b>	<b>GTHN700 series</b>	<b>Vacuum-side through-beam M4 screw (for flange connection)</b>	<b>Search ID No.</b>	<b>120</b>
<b>Detection method</b>	Through-beam			

**CAD**

Model	GTHN705V	GTHN710V	GTHN715V	GTHN720V
Fiber optic cable length(m)	0.5	1	1.5	2
Ambient temperature	- 30 ~ + 350 °C			
Material	Covering	SUS spiral		
	Core	Glass		
Diameter	Cable	2.9		
	Core	Binding diameter: 1.5		
Allowable bending radius	R30			
Standard detection object diameter	φ 1.2			
Smallest allowable detection object diameter	φ 1.0			

Applicable amplifier

**F80R SERIES**

**F70 SERIES**  
**F71**

Detecting distances for individual amplifier models (mm)

<b>F80R</b>	Long-distance	480 (380)
	High-speed	270 (210)
<b>F70R/AR</b>		270 (210)
<b>F71R</b>		230 (170)

Values in parentheses show detecting distances for combinations with GTHN720V.