

# Fiber Optic Cables

<b>MODEL</b>	<b>GT500J series</b>	<b>Heat resistance 200 °C with M4 screw</b>	<b>Search ID No.</b> <span style="font-size: 2em; font-weight: bold;">47</span>
<b>Detection method</b>	Through-beam		

**CAD**

The tightening torque for the threaded part should be up to 0.8 N·m.

Applicable amplifier

**F80R SERIES**

**F70 SERIES**  
**F71**

Model	GT505J	GT510J	GT520J
Fiber optic cable length(m)	0.5	1	2
Ambient temperature	Tip: -60 ~ +200 °C / Covering: 200 °C		
Material	Covering	Silicon tube	
	Core	Glass	
Diameter	Cable	2.8	
	Core	Binding diameter: 1.0 mm	
Allowable bending radius	R25		
Standard detection object diameter	φ 1		
Smallest allowable detection object diameter	φ 0.015 (excluding F71R)		

Detecting distances for individual amplifier models (mm)		
<b>F80R</b>	Long-distance	610
	High-speed	340
<b>F70R/AR</b>		340
<b>F71R</b>		195

<b>MODEL</b>	<b>GTH500J series</b>	<b>Heat resistance 350 °C with SS spiral tube cover</b>	<b>Search ID No.</b> <span style="font-size: 2em; font-weight: bold;">48</span>
<b>Detection method</b>	Through-beam		

**CAD**

The tightening torque for the threaded part should be up to 0.8 N·m.

Applicable amplifier

**F80R SERIES**

**F70 SERIES**  
**F71**

Model	GTH505J	GTH510J	GTH520J
Fiber optic cable length(m)	0.5	1	2
Ambient temperature	-60 ~ +350 °C		
Material	Covering	SUS spiral	
	Core	Glass	
Diameter	Cable	2.8	
	Core	Binding diameter: 1.0 mm	
Allowable bending radius	R25		
Standard detection object diameter	φ 1		
Smallest allowable detection object diameter	φ 0.015 (excluding F71R)		

Detecting distances for individual amplifier models (mm)		
<b>F80R</b>	Long-distance	610
	High-speed	340
<b>F70R/AR</b>		340
<b>F71R</b>		195