

Fiber Optic Cables

MODEL	FRS200J series		ϕ0.87 head, 70 mm SS tube with M4 screw	Search ID No. 78
Detection method	Reflective			

CAD

Do not bend the part marked with *.
The tightening torque for the threaded part should be up to 0.8 N·m.

Applicable amplifier

F80R SERIES

F70 SERIES
F71

Model	FRS205J	FRS210J
Fiber optic cable length(m)	0.5	1
Ambient temperature	- 30 ~ + 70 °C	
Material	Covering	Polyethylene
	Core	Plastic
Diameter	Cable	2.1
	Core	0.25
Allowable bending radius	SUS part: R10 / Fiber optic cable: R15	
Standard detection object diameter	25 x 25mm white drawing paper (with F70R)	
Smallest allowable detection object diameter	ϕ 0.015	

Detecting distances for individual amplifier models (mm)		
F80R	Long-distance	23
	High-speed	13
F70R/AR		13
F71R		7

MODEL	FRS53BC		35 mm SS tube with M6 screw	Search ID No. 79
Detection method	Reflective			

CAD

Do not bend the part marked with *.
The tightening torque for the threaded part should be up to 0.8 N·m.

Applicable amplifier

F80R SERIES

F70 SERIES
F71

F2R SERIES

Model	FRS53BC	
Fiber optic cable length(m)	2 (free-cutting)	
Ambient temperature	- 30 ~ + 70 °C	
Material	Covering	Polyethylene
	Core	Plastic
Diameter	Cable	2.2
	Core	0.5
Allowable bending radius	SUS part: R10/ Fiber optic cable: R15	
Standard detection object diameter	50 x 50mm white drawing paper (with F70R)	
Smallest allowable detection object diameter	ϕ 0.015 (excluding F71R, F2R)	

Detecting distances for individual amplifier models (mm)		
F80R	Long-distance	90
	High-speed	50
F70R/AR		50
F71R		30
F2R		9