

# Fiber Optic Cables

<b>MODEL</b>	<b>FRS83BC</b>	<b>φ 1.3 head, φ 1.25 fiber optic cable</b>	Search ID No. <b>72</b>
Detection method	Reflective		

**CAD**

Do not bend the part marked with \*.

<b>Model</b>	<b>FRS83BC</b>	
Fiber optic cable length(m)	2 (free-cutting)	
Ambient temperature	- 30 ~ + 70 °C	
Material	Covering	Polyethylene
	Core	Plastic
Diameter	Cable	1.25
	Core	0.5
Allowable bending radius	R15	
Standard detection object diameter	50 x 50mm white drawing paper (with F70R)	
Smallest allowable detection object diameter	φ 0.015 (excluding F71R, F2R)	

Applicable amplifier

**F80R SERIES**

**F70 SERIES**  
**F71**

**F2R SERIES**

Detecting distances for individual amplifier models (mm)

<b>F80R</b>	Long-distance	90
	High-speed	50
<b>F70R/AR</b>		50
<b>F71R</b>		30
<b>F2R</b>		9

<b>MODEL</b>	<b>FRS801BC</b>	<b>φ 4 unthreaded SS 22 mm</b>	Search ID No. <b>73</b>
Detection method	Reflective		

**CAD**

Do not bend the part marked with \*.

<b>Model</b>	<b>FRS801BC</b>	
Fiber optic cable length(m)	2 (free-cutting)	
Ambient temperature	- 30 ~ + 70 °C	
Material	Covering	Polyethylene
	Core	Plastic
Diameter	Cable	1.25
	Core	0.5
Allowable bending radius	R15	
Standard detection object diameter	50 x 50mm white drawing paper (with F70R)	
Smallest allowable detection object diameter	φ 0.015 (excluding F71R, F2R)	

Applicable amplifier

**F80R SERIES**

**F70 SERIES**  
**F71**

**F2R SERIES**

Detecting distances for individual amplifier models (mm)

<b>F80R</b>	Long-distance	90
	High-speed	50
<b>F70R/AR</b>		50
<b>F71R</b>		30
<b>F2R</b>		9