

# Fiber Optic Cables

<b>MODEL</b>	<b>FR91Y10</b>	$\phi$ 1.5 unthreaded, allowable bending radius 4 mm	Search ID No. <b>60</b>
Detection method	Reflective		

**CAD**

End face detail

<b>Model</b>	<b>FR91Y10</b>	
Fiber optic cable length(m)	1	
Ambient temperature	- 30 ~ + 70 °C	
Material	Covering	Polyethylene
	Core	Plastic
Diameter	Cable	1.0
	Core	$\phi$ 0.265 x 4
Allowable bending radius	R4	
Standard detection object diameter	50 x 50mm white drawing paper (with F70R)	
Smallest allowable detection object diameter	$\phi$ 0.015 (excluding F71R)	

Applicable amplifier

**F80R SERIES**

**F70 SERIES**  
**F71**

**F2R SERIES**

Detecting distances for individual amplifier models (mm)

<b>F80R</b>	Long-distance	40
	High-speed	20
<b>F70R/AR</b>		20
<b>F71R</b>		12
<b>F2R</b>		4

<b>MODEL</b>	<b>FR93BC</b>	$\phi$ 3 unthreaded short head, allowable bending radius 4 mm	Search ID No. <b>61</b>
Detection method	Reflective		

**CAD**

End face detail

<b>Model</b>	<b>FR93BC</b>	
Fiber optic cable length(m)	2 (free-cutting)	
Ambient temperature	- 30 ~ + 70 °C	
Material	Covering	Polyethylene
	Core	Plastic
Diameter	Cable	1.0
	Core	0.25 x 8
Allowable bending radius	R4	
Standard detection object diameter	50 x 50mm white drawing paper (with F70R)	
Smallest allowable detection object diameter	$\phi$ 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	60
	High-speed	30
<b>F70R/AR</b>		30
<b>F71R</b>		18
<b>F2R</b>		6