

Plastic Fiber-Optic Cable

Reflex Mode

FRS06-2M-05C

Part Number



- Especially suitable in applications where only minimal space is available
- Fiber-optic cable can be cut to length by the cutting tool

Technical Data

Optical Data	
Fiber Core Diameter	0,5 mm
Fiber	Step Index
Fiber Distribution	coaxial arrangement
Detection range with P1XD0xx	75 mm
Detection range P1XD10x/11x	110 mm
Detection range P1XD12x/13x	90 mm
Detection range P1XD2xx red light	80 mm
Detection range P1XD2xx blue light	90 mm
Detection range P1XD2xx pink light	140 mm
Range with LA27	10...30 mm
Opening Angle	55 °
Light Spot Diameter with LA27	see table 1
Mechanical Data	
Cable type	Coaxial
Temperature Range	-40...70 °C
Bending Radius	15 mm
Fiber-Optic Length L	2 m
Jacket Material	Plastic, PE
Fiber Optic Material	Plastic, PMMA
End sleeve shape	Standard
Material End Sleeve	Stainless steel, V2A (1.4305/303)
Jacket Diameter	1,3 mm *
Light Emission	straight
End Sleeve No.	FRS06
Packaging unit	1 Piece
Scope of delivery	1 × fiber-optic cable 1 × Z0015 cutting tool 1 × Z1XC002 mounting adapter

Suitable Mounting Technology No.

310

* Refers to receiver cable. The transmitter cable has a diameter of 1 mm.

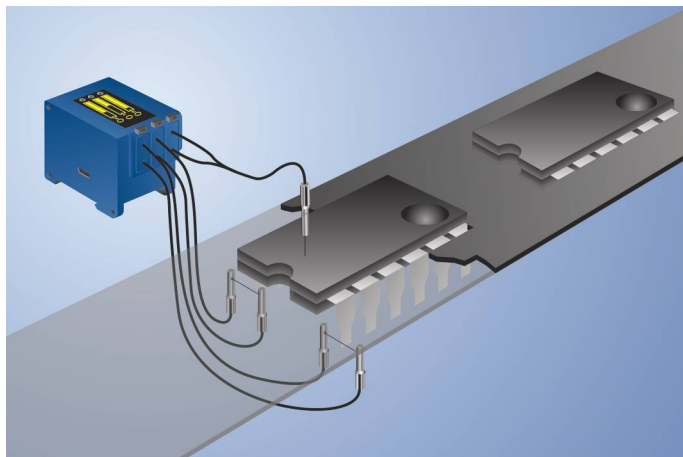
Table 1

Detection Range	10 mm	20 mm	30 mm
Light Spot Diameter	0,5 mm	1 mm	2 mm

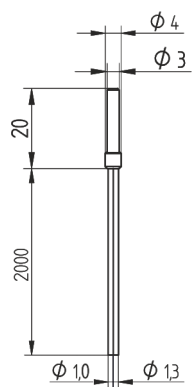
Complementary Products

Lens LA27

Plastic fiber-optic cables are very flexible and suitable for use in confined spaces. The fiber optics are supplied in 2 m lengths. Special lengths of up to 50 m are possible. Users can shorten the fiber optics using the Z0015 cutting tool.



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All dimensions in mm (1 mm = 0.03937 Inch)

