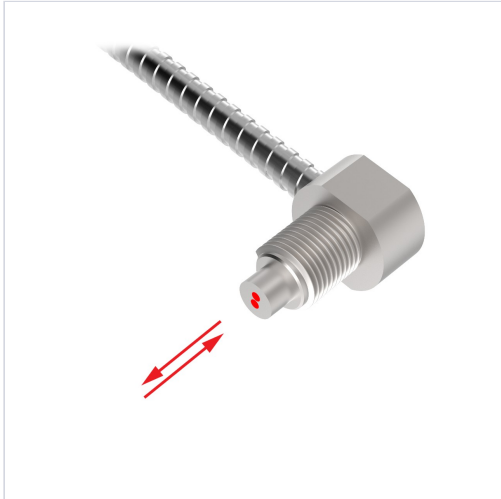


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PBAT43TSL5TA-VL

► HIGH PERFORMANCE FIBER OPTICS: VANTAGE LINE



Plastic Fiber, Diffuse Reflective
 Core Dia.: 1 mm; Fiber Length 1 m
 Right Angle, Thread M6
 Stainless Protective Jacket
 25 mm Bend Radius
 Vantage Line
 Part Number: 93946



COMPATIBLE AMPLIFIERS

Where applicable, maximum range for opposed mode fibers is also dependent on fiber length.



DF-G1 Series General Purpose Fiber Optic Amplifier

Fiber amplifier with IO-Link capability ideal for general purpose and error proofing. Has simple set-up and configuration. Output: NPN or PNP.

RESPONSE SPEED	MAXIMUM RANGE
200 μ s	105 m m
500 μ s	105 m m
2000 μ s	215 m m
5000 μ s	270 m m

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DF-G2 Series High Speed Fiber Optic Amplifier

Fiber amplifier with IO-Link capability for high speed (10 μs) for applications like part counting or registration mark detection. Output: NPN or PNP.

RESPONSE SPEED	MAXIMUM RANGE
10 μs	115 mm
15 μs	130 mm
50 μs	195 mm
250 μs	280 mm
500 μs	390 mm
>1000 μs	435 mm



DF-G3 Series Long Range Fiber Optic Amplifier

Fiber amplifier with IO-Link capability for detection up to 6 m, precise positioning, and water detection. Output: analog, discrete, dual discrete.


RESPONSE SPEED	MAXIMUM RANGE
500 μs	830 mm
1000 μs	1,025 mm
2000 μs	1,025 mm
8000 μs	1,370 mm
24000 μs	2,080 mm

SPECIFICATIONS

Max Range: DF-G3 (mm)	>1m - <=3m
Housing Style	Round

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Quantity Included	1
Fiber Optic Type	Plastic
Sensing Mode (General)	Diffuse
Sensing Mode (Detailed)	Reflective
Beam Exit	Right Angle
Sensing End Material (Specific)	Stainless Steel
Fiber Sheathing Material (Jacket)	Stainless Steel Monocoil
Fiber Sensing End Tip	Ferrule
Fiber Length (m)	1
Fiber Sensing End Size	4.0 mm
Sensing End Segment 1	Angle
Sensing End Segment 2	Thread
Sensing End Segment 3	Ferrule
Retractable	No
Flex Relief	No
Core Diameter (mm)	1
Minimum Bend Radius (mm)	25
Termination	Terminated
Max Temp (°C)	70
Minimum Repeat Bending Endurance	1000
Integrated Lens	No
Feature: Chemical Resistant	No
Feature: Extended Range	No
Feature: Small Object Detection	No
Application: Liquid Level	No
Application: Vacuum Feed Through	None
Termination Type	Plastic Fiber Sensors
Measured Max Distance (mm)	268
Fiber Sensing End Size - Mounting Area	M6


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Max Distance: DF-G3 (mm)	2084
Max Distance: DF-G2 (mm)	434
Max Distance: DF-G1 (mm)	268
Tariff Fiber Meters (fbm)	2

COMPATIBLE PRODUCTS


BRACKET

	<p>SMBFP6</p> <p>SMBFP6 MOUNTING BRACKET</p>
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	<p>PFK-B</p> <p>Plastic Fiber Kit Contains qty. 2 p/n 13443 Sensor Adaptors 40 mil and qty. 2 p/n 116232 Sensor Adaptors 20 mil</p>
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Banner Engineering Corp. | 9714 Tenth Avenue North | Minneapolis, MN 55441 | United States of America

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