



# FISCHER FIBEROPTIC SERIES

## ROBUST OPTICAL PERFORMANCE EASY CLEANING

1 TO 4 FIBERS

HYBRID 2+2

A pre-cabled solution ideal for:

- Faultless optic performance
- Indoor, outdoor and extreme applications
- Up to IP67 (unmated) / IP68 (mated)
- Easy field cleaning



THE RELIABLE EXPERT

**fischer**<sup>®</sup>  
CONNECTORS



FISCHER **FIBEROPTIC** SERIES



- The best of butt-joint optical performance, Singlemode (APC/UPC) and Multimode (UPC)
- Quick and easy field cleaning, up to IP67 (unmated) / IP68 (mated)
- Removable mono-block mate adapter

FISCHER **FIBEROPTIC** HYBRID



- Combines power and data
- Up to 400V and 10 Amps
- Quick and easy field cleaning, up to IP67 (unmated) / IP68 (mated)

PLUGS

**CABLE MOUNTED**



BODY STYLES	<b>P01</b>
Locking system	Push-pull
Sealing up to	IP67 / IP68
Design	Standard

RECEPTACLES

**CABLE MOUNTED**



BODY STYLES	<b>R50</b>
Sealing up to	IP67 / IP68
Design	Standard

**PANEL FRONT MOUNTED**



BODY STYLES	<b>R03</b>	<b>R03-P</b>	<b>R13</b>
Sealing up to	IP67 / IP68	IP67 / IP68	IP67 / IP68
Design	Standard	Gas tight	Square flange

**PANEL REAR MOUNTED**



BODY STYLES	<b>R01</b>	<b>R01-P</b>
Sealing up to	IP67 / IP68	IP67 / IP68
Design	Standard	Gas tight

TECHNICAL DATA

Characteristic	Performance	Standard
Insertion loss	SM and MM	≤0.20 dB mean
		≤0.45 dB max for >97% of samples
		≤0.2 dB change during and after testing
Return loss	SM UPC	≥50 dB
	SM APC	≥70 dB (mated) and ≥50 dB (unmated)
Sealing mated	Up to IP68; 2m submersion for 24 hours	IEC 61300-3-34 Random mated
Sealing unmated	Up to IP67	IEC 61300-3-3
Electrical contact count (hybrid only)	2 contacts, ground by shell	IEC 61300-3-6 Random mated
Current rating (hybrid only)	10 [A] <sup>1)</sup>	-
Rated voltage (hybrid only)	400 [V] r.m.s. <sup>2)3)</sup>	IEC 60512-5-2-5b
		EIA-364-20-B

- 1) Recommended max. operating current at 40°C temperature rise.
- 2) Recommended operating voltage at sea level measured according to IEC 60664-1. This rated voltage is a general purpose guideline where no other electrical standard applies. In case where other standard rule a specific use of the connector the application-specific safety criteria shall be considered first. This must be evaluated within the framework of equipment engineering. In cases where other calculation methods are preferred, please use the Test voltage to determine the specific operating voltage.
- 3) Based on IEC 61984 safety requirements, Fischer Connectors SA recommends that, for operating voltage > 50V, power should not be used without integration of an active security system. Please contact us for further information.



For more information visit [www.fischerconnectors.com/fiberoptic](http://www.fischerconnectors.com/fiberoptic)

