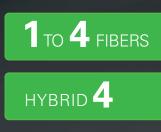
FISCHER FIBEROPTIC SERIES

# ROBUST OPTICAL PERFORMANCE EASY CLEANING



A rugged solution ideal for :

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









# PRODUCTS RANGE

## **BODY STYLES**



#### 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)

### TECHNICAL DATA

#### Characteristic Performance Standard Insertion loss SM and MM ≤0.20 dB mean IEC 61300-3-34 Random mated ≤0.45 dB max for >97% of samples ≤0.2 dB change during and after testing IEC 61300-3-3 **Return loss** SM UPC ≥50 dB IEC 61300-3-6 Random mated SM APC ≥70 dB (mated) and ≥50 dB (unmated) Sealing mated Up to IP68; 2m submersion for 24 hours IEC 60529 Sealing unmated Up to IP67 IEC 60529 Electrical contact count (hybrid only) 2 contacts, ground by shell 10 [A] 1) Current rating (hybrid only) IEC 60512-5-2-5b 400 [V] r.m.s. 2) 3) EIA-364-20-B Rated voltage (hybrid only)

<sup>1)</sup> Recommended max. operating current at 40° C temperature rise.

21 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 cases where other standards rule a specific use of the connector, the application-specific safety criteria shall be considered first. Evaluation is to be done within the framework of engineering equipment. In cases where other calculation methods are preferred, please use the test voltage to determine the specific operating voltage.

<sup>3)</sup> 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.





PLUGS	



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

#### RECEPTACLES







R50
IP67 / IP68
Standard

**PANEL FRONT** MOUNTED



**BODY STYLES** Sealing up to Circular flange Design

**R13** IP67 / IP68 Square flange

**PANEL REAR** 





**R03** 

IP67 / IP68

**BODY STYLES R01** Sealing up to IP67 / IP68 Design Circular flange

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