

## Connection components - fiber optic cabling

### FC FIBER OPTIC ADAPTERS



#### INTRODUCTION:

**FC connection elements** are specifically designed for telecommunication elements, where stable connection is necessary and performed with the use of a thread mechanism. The FC connector is screwed in, which eliminates the possibility of an accidental disconnect. Therefore, the FC Fibrain optic fiber adapters have excellent optical and mechanical parameters as they are constructed from high quality materials. The FC adapters are designed for single- and multimode application with high quality of alignment sleeve.

#### APPLICATIONS:

- ✓ Telecommunication Networks,
- ✓ Measurements devices,
- ✓ Signal distribution points.

#### FEATURES:

- ✓ Excellent optical and mechanical parameters,
- ✓ High quality,
- ✓ Thread mount mechanism providing constant and stable connection,
- ✓ High quality ceramic sleeve for singlemode and PBR metal sleeve for multimode application,
- ✓ Constructed from material resistant to corrosion.

#### TECHNICAL SPECIFICATION:

Parameter	FC Standard Series	FC Premium Series
Insertion Loss (IL)	max. 0.30 dB typ. 0.15 dB	max. 0.20 dB typ. 0.10 dB
Durability	500 matings/ <0.20 dB typical change	1000 matings/ <0.15 dB typical change
Repeatability $\Delta IL_{avg}$ /mating cycle	$\pm 0.10$ dB	$\pm 0.08$ dB
Alignment sleeve	ceramic	ceramic/metal
Operating	-40 to +85°C	
Mounting	d-hole	d-hole

Type:	Fibrain FC adapters family	REV: 00
Date:	17/12/2014	At
Approved:		BK
Issued::		

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### PACKING SYSTEM:

Adapters are packaged in boxes of 50 pieces in string bags/box ( 2x25 pieces) with the identification label located on each bag/box.

### ORDERING INFORMATION:

Series	Adapter's kind	Type	Mounting	Sleeve type	Housing Colour	Dust cup colour
A151- Standard	FC	SX	3 d-hole	1 ceramic	0 metal	1 green
A161- Premium	FCA			2 metal		3 black
						4 red

Example:

A151-FCA-SX-3101: Fibrain FC APC Standard series adapter, simplex, d-hole, a ceramic sleeve, a green dust cup.

#### Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.