

DIAMOND

Fiber Optic Components

CABLE ASSEMBLIES AND ADAPTERS

The E-2000™ RHA connector system provides up to 4 easily mated, high bandwidth fiber optic terminations packaged in a robust, water and shock resistant housing. Typical uses include industrial applications such as field bus systems, machine controls, and LAN installations requiring high data rate or bandwidth transmission in a harsh environment. The E-2000™ RHA connector can be terminated on most types of HCS, MM, and SM fiber. The connectors are available in both PC and APC finishes providing both low insertion and high return loss. The E-2000™ RHA connector leverages all the mechanical, optical performance, and safety features you come to expect from the E-2000™ connector.

Other housing types for special application are available upon request.

FEATURES AND BENEFITS

- ▶ Rugged IP 65 rated enclosure
Dust tight and spray proof
- ▶ E-2000™ connector with Active Core Alignment
Exceptional optical performance
- ▶ Integrated caps and shutters
Laser eye safety
Mechanical end face protection
- ▶ Wide operating range
- ▶ Self aligning, keyed housing

AVAILABLE AS

- ▶ Terminated connector

SPECIFICATIONS

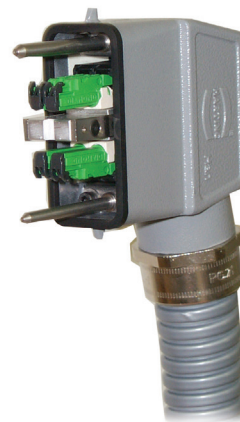
	MULTIMODE 0° PC	SINGLE MODE 0° PC	SINGLE MODE 8° APC	UNITS	TEST CONDITIONS
Insertion Loss (IL)	typ. 0.15 max 0.5	typ. 0.2 max. 0.4	typ. 0.2 max. 0.4	dB	IEC 61300-3-4; λ = 1300/1550nm
Return Loss (RL)	min. 40	min. 50	min. 70*	dB	IEC 61300-3-6; λ = 1300/1550nm
Repeatability of IL	max. ±0.1			dB	IEC 61300-2-2; λ = 1300/1550nm
Service life	500 mate/demate cycles				Selon expérience pratique
Operating temperature	-40/+85**			°C	

* Measured with high precision reflectometer
** May be further limited by cable specifications

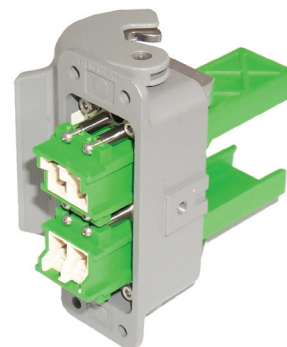
E-2000™ RHA

(Harsh environment)

SINGLE MODE PC/APC
MULTIMODE PC



E-2000™ RHA male



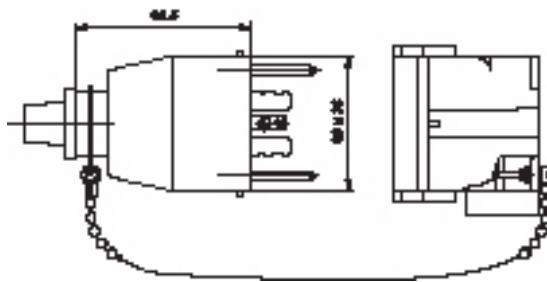
Female panel adapter

AVAILABLE HOUSING TYPES AND DIMENSIONS

E-2000™ RHA male, 2 and 4 channels

Available types: **E-2000™ RHA male 2 x PC**
E-2000™ RHA male 2 x APC
E-2000™ RHA male 4 x PC
E-2000™ RHA male 4 x APC

Housing material: Metal (Grey)

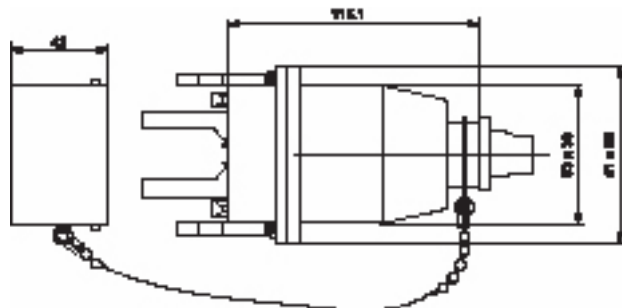


E-2000™ RHA female, 2 and 4 channels

Available types: **E-2000™ RHA female 2 x PC**
E-2000™ RHA female 2 x APC
E-2000™ RHA female 4 x PC
E-2000™ RHA female 4 x APC

Housing material: Metal (Grey)

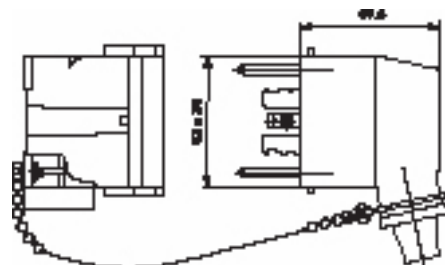
Mating sleeve: Zirconia



E-2000™ RHA 90° male, 2 and 4 channels

Available types: **E-2000™ RHA 90° male 2 x PC**
E-2000™ RHA 90° male 2 x APC
E-2000™ RHA 90° male 4 x PC
E-2000™ RHA 90° male 4 x APC

Housing material: Metal (Grey)

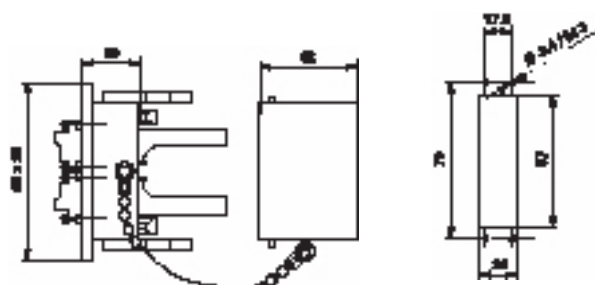


CUTOUT DIMENSIONS

E-2000™ RHA female panel adapters, 2 and 4 channels

Housing material: Metal (Grey)

Mating sleeve: Zirconia



NOTE As standard, Diamond uses colored connector bodies and mating adapter housings to identify the fiber type (SM or MM) and ferrule polish (PC or APC).

Diamond's standard **connector/adaptor** colors are as follows: Beige/Beige for MM PC, Blue/Blue for SM PC, and Green/Green for SM APC. Other colors are available upon request.

ORDER INFORMATION

Please refer to the part numbers provided in the separate P/N list.

For assemblies or other configurations, please contact your nearest local Diamond representative or fill in the contact form available on the www.diamond-fo.com website.