

HEADQUARTERS

DIAMOND SA
Via dei Patrizi 5, CH-6616 LOSONE
Tel. +41 91 785 45 45, Fax +41 91 785 45 00
e-mail info@diamond-fo.com

www.diamond.ch

Sales & Service Center

DIAMOND SA | VSC Zürich
Industriestrasse 8, CH-8625 GOSSAU ZH
Tel. +41 43 833 80 80, Fax +41 43 833 80 90
e-mail info_de@diamond.ch

DIAMOND SA | VSC Port
Spärsstrasse 5, CH-2562 PORT - Biel/Bienne
Tel. +41 32 722 11 11, Fax +41 32 722 11 10
e-mail info_fr@diamond.ch

DIAMOND HE-2000™

Fiber optic solution for Harsh Environment



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Optical and electrical termini



Diamond Multipurpose insert



Plug connector and bulkhead



HE-2000™ IP67 protection cap



HE-2000™ IP68 closure protection

HE-2000™ for demanding applications

Connectors designed for use in harsh environments must be able to withstand extreme conditions in terms of adverse temperatures, shocks, vibrations, tensile stress, external pressure, corrosive surroundings, etc., that are beyond the environmental conditions typically endured by standard commercial connectors and cable assemblies.

DIAMOND has therefore responded to this growing demand by developing a wide range of strong, reliable and customisable indoor/outdoor optical solutions, which boast superior optical performance.

A noteworthy addition to this line is the upcoming push-pull four channel HE-2000™ connector which includes a modular and configurable hermaphrodite hybrid (optical/electrical) insert, which is based on Diamond's 2.5-mm "Alberino" ferrule terminal, for easy field termination and repair.

The HE-2000™ connector is available for MM, SM (PC/APC) and small-core single mode fiber, polarization-maintaining (PM) fiber, and other specialty fiber types.

Main features

- Automatic protection shutter on connector (manual on bulkhead)
- Harsh-environment plastic shell, nylon with 25% fiber-glass reinforcement
- IP class: IP67
- Easy ferrule front-face access for cleaning & inspection
- Push-pull mechanism for easy handling
- Mechanical and color coding possible
- Electrical pins 20 AWG

Field termination and repair

Diamond has developed the Crocodile Alberino fusion technology to allow customers to assemble factory-terminated and measured Splice-On Connectors (SOC) in the field for termination and repair purposes.

This can be performed with the Zeus D50 HE fusion splicer from Diamond.

ZEUS D50 HE kit

- Complete set of all tools required for the entire termination process, from cable preparation to connector assembly (including cleaver and automatic stripper with heated jaws for tough secondary coating 900 µm)
- Special cable clamps on bearing slides for secure, easy, and correct cable handling
- Suitable for use with 3 to 8-mm military and outdoor cables
- Removable work plate – compatible with stand
- Hard protective case for harsh environments, IP65
- Total weight: 15 kg



Diamond Crocodile Fusion Alberino

