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DIAMOND HE-2000®

Fiber optic solution for Harsh Environment



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HE-2000® for demanding applications

HE-2000® connectors are hybrid, opto-electrical, multi-contact termini developed to operate in harsh environments. The sturdy construction offers excellent performances under extreme temperatures, mechanical stress and in aggressive chemical settings.

The push-pull locking mechanism and the automatic protection shutter allow an extreme ease of use of the HE-2000® connectors and greatly enhance their reliability.

The modular construction accommodates up to four independent, optical and/or electrical termini in a custom reconfigurable arrangement based upon Diamond's 2.5 mm *Alberino* ferrule assembly. The same modular construction also allows for easy termination and repair in the field.

The HE-2000® optical termini support MM, SM (PC/APC) small-core fibers, polarization maintaining (PM) fibers, as well as other specialty fiber types and Power solution technologies.

Now also with the Lensed Ferrule (SM).

Field termination and repair

Diamond has developed the Crocodile Alberino fusion technology so customers can assemble factory terminated, pre-tested Splice On Connectors (SOC) directly in the field. These procedures are performed with Diamond's Zeus D50 HE fusion splicer.



Main features



ZEUS D50 HE kit

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

