GENERAL DESCRIPTION

Based on the known Diamond ZEUS D50 Fusion splicer, which provides fast, easy, and high performance field terminations of Splice-On Connectors (SOC), we have developed a new Kit with the aim of simplifying the field repair or termination of HE connectors.

The Kit contains everything that is needed to prepare, handle and splice tough outdoor/military and industrial cables with an outer diameter of 3 mm to 8 mm, including a cleaver and an automated stripping machine with heated jaws. Once the cable is fixed on a sliding holder, all three operations can be carried out without additional cable manipulation. Everything is stored safely in an IP64 hard case which also acts as a working surface in harsh environments.

The ultra compact all-in-one system can be taken out of the case for easy handling.

FEATURES AND BENEFITS

► User friendly all-in-one system allows stripping, cleaving and splicing processes to be carried out in order to ensure safe cable manipulations
► Optional sets available for terminating the following Diamond harsh environment connectors: OD3, F-3000™ ODVA, X-BEAM Fusion (only on MM fiber), revos E-2000, HE-2000™, MIL-38999 DM and MIL-83526 DM.
► Optional sets available for terminating Diamond E-2000™, F-3000™, SC, FC and ST™ Splice-On Connectors (SOC)
► Enhanced cable handling for 3-8mm outdoor/Mil cables thanks to special holders granting a higher splice yield
► Complete Kit of all the tools required to carry out all processes ranging from cable preparation to connector body assembly
► IP64 carrying case for use in harsh environments

ZEUS D50 HE KIT DATA

► Dimensions and weight: (L x W x D): 520x435x230 mm, 15 Kg

SPECIFICATIONS FOR “SOC” ASSEMBLED WITH Alberino HE

<table>
<thead>
<tr>
<th></th>
<th>MULTIMODE</th>
<th>SINGLE MODE</th>
<th>SINGLE MODE</th>
<th>UNITS</th>
<th>TEST CONDITIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss (IL)</td>
<td>typ. 0.2</td>
<td>typ. 0.25</td>
<td>typ. 0.25</td>
<td>dB</td>
<td>IEC 61300-3-4; λ = 1300/1550nm</td>
</tr>
<tr>
<td></td>
<td>max. 0.5</td>
<td>max. 0.5</td>
<td>max. 0.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Return Loss (RL)</td>
<td>min. 40</td>
<td>min. 50</td>
<td>min. 70</td>
<td>dB</td>
<td>IEC 61300-3-4; λ = 1300/1550nm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeatability of IL</td>
<td>max. ±0.1</td>
<td></td>
<td></td>
<td>dB</td>
<td>IEC 61300-2-2; λ = 1300/1550nm</td>
</tr>
<tr>
<td>Service life</td>
<td>1000 mate/demate cycles</td>
<td></td>
<td></td>
<td>According to field experiences</td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40°/-85**</td>
<td></td>
<td></td>
<td>°C</td>
<td></td>
</tr>
</tbody>
</table>

* Measured with high precision reflectometer
** May be further limited by cable specifications
MAIN CONTENTS OF THE BASE KIT
- Diamond Zeus D50 HE fusion splicer with power supply, power cable and user manual
- High-performance automatic thermal cable stripper (Schleuniger)
- Fiber cleaver
- Mounting plate with rail guide and cable fixing holders
- Complete toolkit with fiber pliers and alberino holders
- Robust IP64 carrying case
- All the required consumables

AVAILABLE OPTIONAL ASSEMBLING KITS (with assembly instructions)

For HE connectors:
- OD3 Fusion
- X-BEAM Fusion
- revos E-2000 Fusion
- F-3000™ ODVA Fusion
- HE-2000 Fusion
- MIL-38999 Fusion
- MIL-83526 Fusion

For Splice On Connectors (SOC):
- E-2000™ und F-3000™ Fusion
- SC Fusion
- FC Fusion
- ST™ Fusion

FOR CROCODILE SPLICE UNIT

NOTE - Upgrade kit from standard ZEUS D50 Fusion splicer to ZEUS D50 HE available upon request

ORDER INFORMATION
Please refer to the part numbers provided in the separate P/N list.
For other configurations, please contact your nearest local Diamond representative or fill in the contact form available on the www.diamond-fo.com website.