

Multi Leg EFL's and OFL's Deployment and Installation Ubas Multifunctional Subsea ROV Basket System

Doc. No.: IN-UDE-180-DS-016, Rev. 01

Multi Leg / Tail / Ends EFL's and OFL's are packed, deployed and installed in Ubas ROV Baskets. The baskets are configured such that each leg of the Flying Leads (FL) leg can be retrieved and connected separately while the other legs including connectors are still parked, secured and protected in the parking receptacles. Parking receptacles are located either in the basket or in a FLP Box, Flying Lead Parking / Positioning Box. FL's with three, four and up to eight legs can be accommodated.

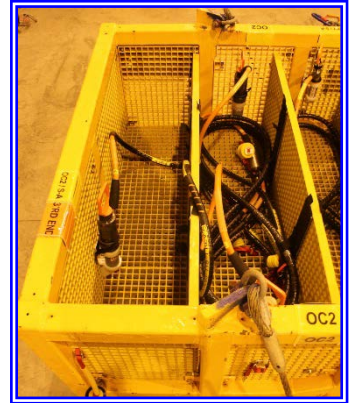
General

- Multi Leg EFL's and OFL's are packed and deployed in ROV baskets include compartments.
- Typical baskets are Ubas A, Ubas B and Ubas G.
- The exact basket configuration depends on the number legs, the length of each leg, the cable diameter and the cable minimum bending radius (MBR). One or two FLP Boxes are used in the cases where the legs / tails are located in a short distance from the splitter box.
- The basket can also include additional compartments for single leg FL's that shall be deployed at the same time as the multi leg flying lead(s).
- The compartments includes strapping plates for securement of the FL cables.
- Generic parking receptacles that suit the FL connector size are included. These are located in the compartments and if applicable, in the FLP Box.
- In order to identify parked connector positions and the basket first and second end sides, Utag marking tags are included on the basket and on any FLP Box.
- In the case of a FLP Box, the compartment will include FLP Box guides and a ROV releasable Ustrap securing strap.
- If packed by Udeco the FL cable will be provided with Ufist ball fists for ROV handling and final placement of the FL. Any splitter box will be provided with a ball fist bridle.

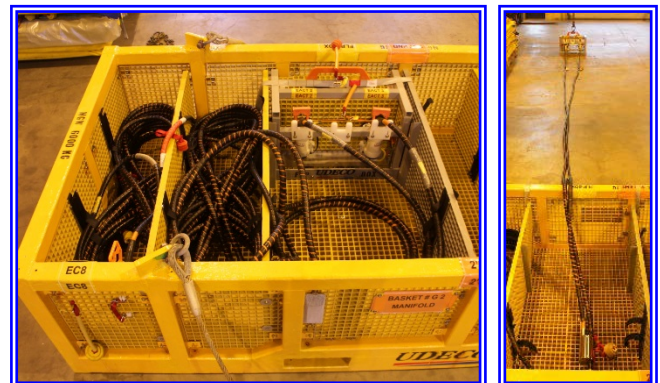


Flying Leads with long legs

- In the case where each leg of a three or more leg FL permit each of the leg to be pulled out from the deployment basket while the other legs / ends including connectors are still parked and protected in the basket parking receptacles, the basket will be provided with two or more compartments. Leg 1 & 2 will be located in the first compartment, leg 3 and if applicable leg 4 will be located in the second compartment, etc.



Flying Leads with short legs



- In the case where the legs on a multi leg FL are too short to be pulled out while the other connectors are parked in the basket, one or two compartments will include a **FLP Box**. Up to four connectors can be parked in each FLP Box.
- The FLP Box weight in air is 97kg, in seawater 50kg.
- Size (L x W x H): 0.95m x 0.53m x 0.74m.
- The FLP Box provide securement and protection of the connectors during ROV pull-out.
- The ROV retrieves the FLP Box, pull out the cable legs and place the box in a position on the seabed or on a structure. Each individual leg / connector is then retrieved and connected while the other connectors remain parked in the FLP Box parking receptacles.

Contact

Udeco AS
Mekjarvik 2
N-4072 Randaberg, Norway
Switchboard: + 47 51 41 61 00
E-Mail: postmaster@udeco.no
Web: www.udeco.no