

INSTALLATION MANUAL

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Fiber Optics
Fiber Management Systems
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ODU2 – splicing version

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INSTALLATION OF FIBER TRAY INTO AN ODU2

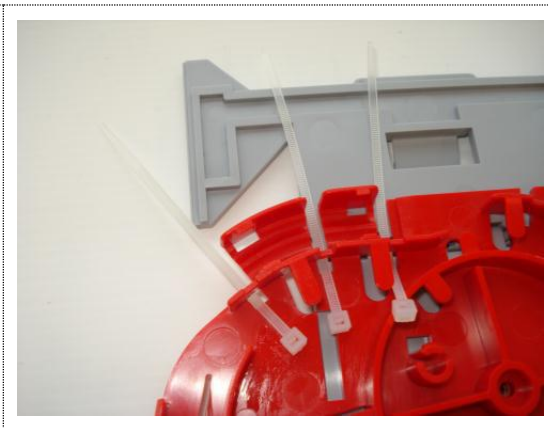

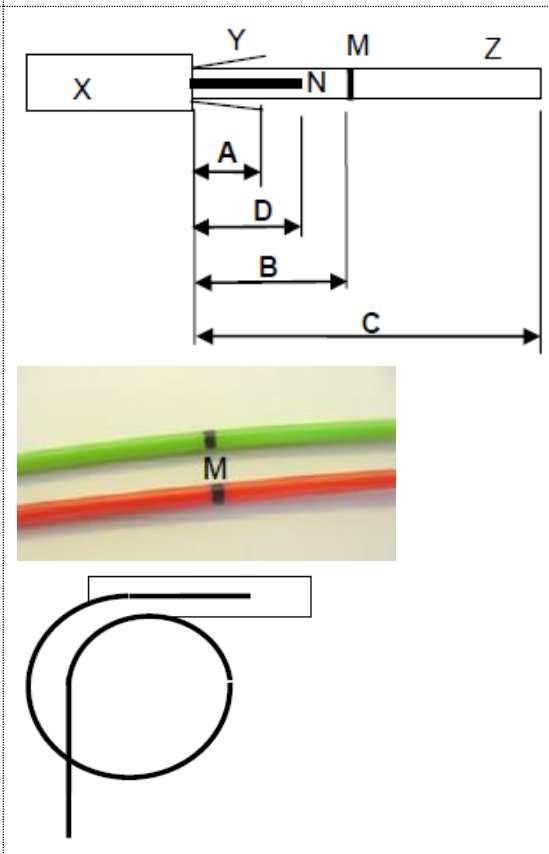
Scope of delivery:

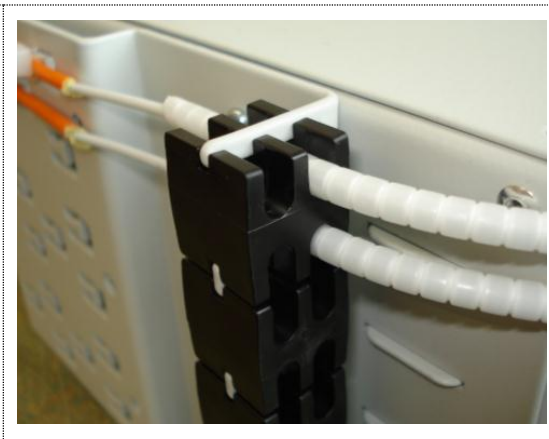



ODU2
Fiber Trays for splicing


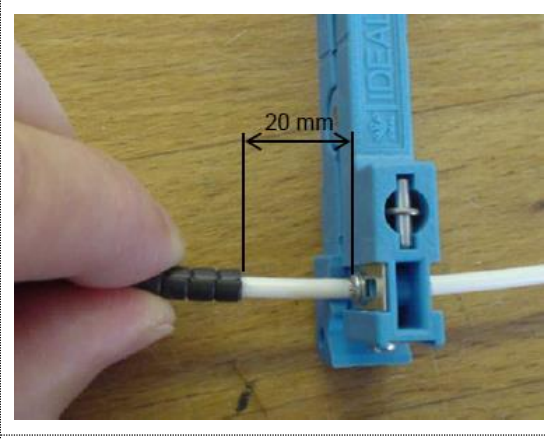

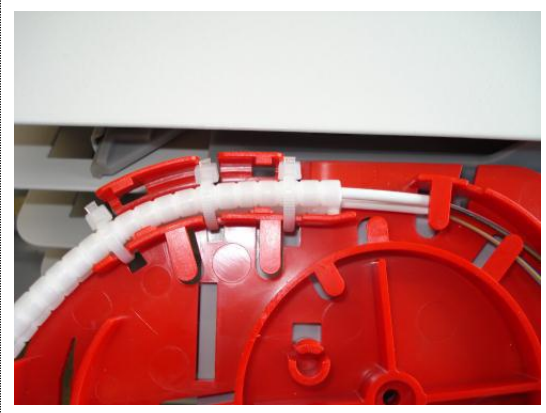
Required tools:

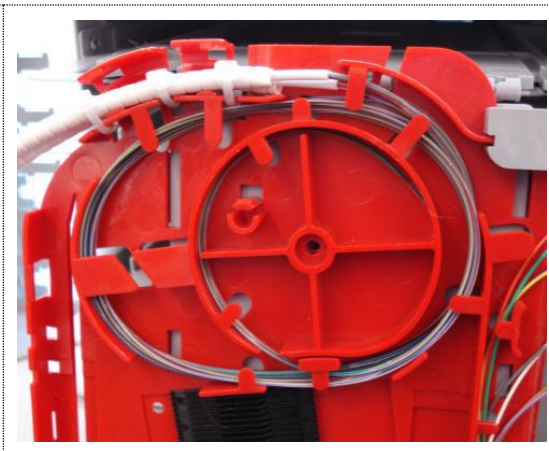
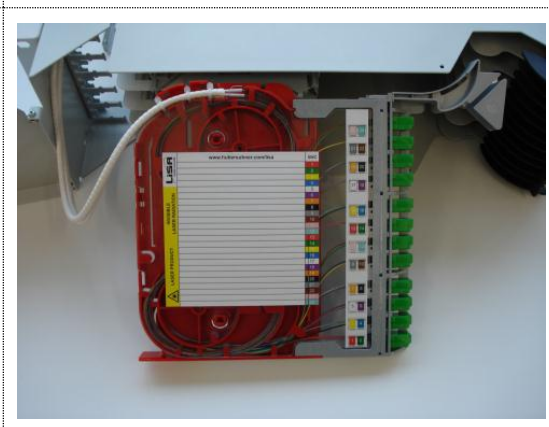


Screw driver cross recess large
Loose tube cutter 9801.20.C
Wire cutting pliers
Tape measure



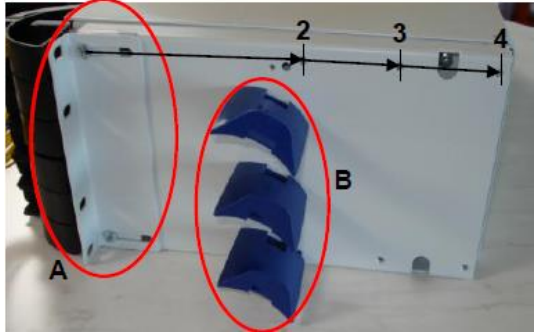
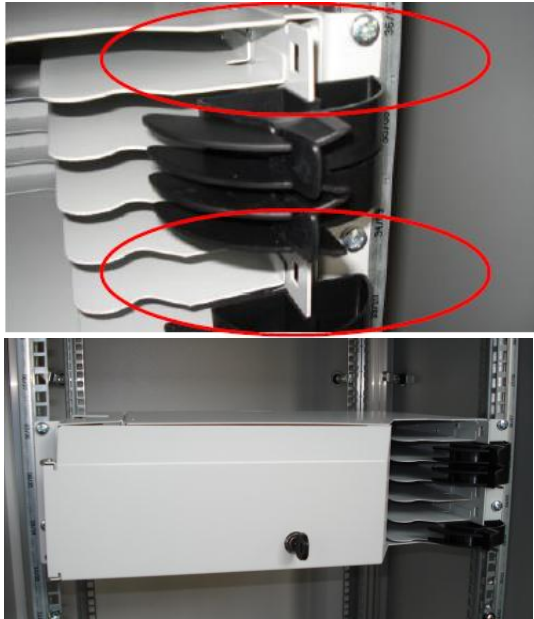
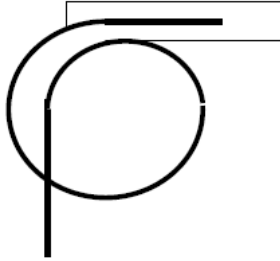
<p>Step 1</p>	<p>Fit three cable ties to the FiberTray.</p>	
<p>Step 2</p>	<p>Run two cable ties in the punched T's positioned on the ODU's backside.</p>	
<p>Step 3</p>	<p>Remove the cable jacket according the picture. Mark the loose tubes at position M.</p> <p>X: cable Y: strength members A = 0 mm Z: loose tubes C = 2200 mm M: mark B = 700 mm N: strength member D = 0 mm</p> <p>Tip: A service loop behind the ODU is recommended. Measure the required length of it within the rack.</p>	

<p>Step 4</p>	<p>Cut two conduits over a length of 63 cm with the loose tube cutter. Run the conduit on the side to the back of the ODU2. Insert loose tubes into the conduits. Place the conduit into the clip so that the middle of the clip is aligned with the fixing position for the clip.</p>	
<p>Step 5</p>	<p>Guide the cable at the correct place, pull the cable ties tight and cut the ends of the cable ties.</p>	
<p>Step 6</p>	<p>Finish position of cable and clip.</p>	
<p>Step 7</p>	<p>Fix the conduits into the ODU2.</p>	

Step 8	Slide the hinge of the FiberTray into the rails of the ODU2 Unit. Pivot the FiberTray down and fix the cable ties so that they are loosely fitted.	
Step 9	Cut the loose tube back to 20mm from the end (by the mark) of the conduit with the loose tube cutter.	
Step 10	Feed the loose tube through the cable ties. Attention: Care should be taken not to damage any fibers that are exposed during this operation!	
Step 11	Feed the conduit back into position and fix the cable ties.	

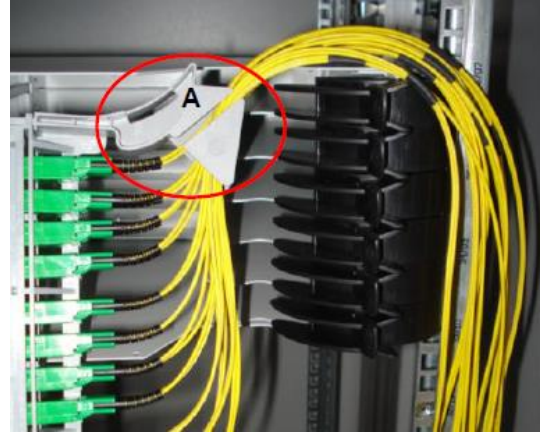
<p>Step 12</p>	<p>Coil the exposed fiber around the mandrel until all of the fiber has been stored neatly in the take-up area. Guide the remaining length through the parking position into the storage area.</p>	
<p>Step 13</p>	<p>Fix the lid to the FiberTray.</p>	
<p>Step 14</p>	<p>Slide back the FiberTray into position until splicing. Repeat the procedure with all required FiberTrays until the ODU2 is fully equipped.</p>	
<p>Step 15</p>	<p>Renumber the FiberTray. For further PatchCords, please proceed analog above given description.</p>	

MOUNT AN ODU2 INTO A RACK

<p>Step 16</p>	<p>Attach the holder (A) in the correct position. When mounted at position 2 or 3 it is not possible to mount the blue mandrels (B) again.</p>	
<p>Step 17</p>	<p>Remove the black mandrels on the fixing position. Mount the ODU2 into the rack. Mount the black mandrels back to its position.</p>	
<p>Step 18</p>	<p>Fix the overlength of the cable to the rack and ODU.</p> <p>Tip: A service loop behind the ODU2 is recommended. Measure the required length of it within the rack.</p>	

PATCHING FIBER TRAY IN AN ODU2

- Step 19** Slide out completely the FiberTray to its end position and fold down. Plug the PatchCord to its needed port and guide the cable through the PatchCord Arm (A). Bundle PatchCords at the Arm and guide them with a service loop in the corresponding tray towards to the black mandrel. Pay attention not to fall below the minimum bend radius.



- Step 20** Slide back the FiberTray into the unit keeping enough length for the service loop and fix all cable with the rubber band on the mandrel (A). Guide cables around the 19" vert towards the blue mandrel (B).

