



Proximus access to the Raw Copper Loop

Connection to the colocation area

Distant Colocation

Annex B 1.3 Service Description 2035

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1. Scope

This Service Description deals with the definitions, equipment and application requirements for the connection of the Raw Copper Loop to the Cross Connection Cabinet of Beneficiary, whereby Proximus delivers the all mentioned equipment.

1.1 Definition

At the Proximus Local Exchange building, the copper wires are terminated in the Main Distribution Frame. Beneficiary's access to the copper wire will be established with Extended Tie Cables from the Main Distribution Frame of the Local Exchange to the dedicated Beneficiary's Cross Connection Cabinet at the outside wall of that Local Exchange building.

Proximus Local Exchange Building

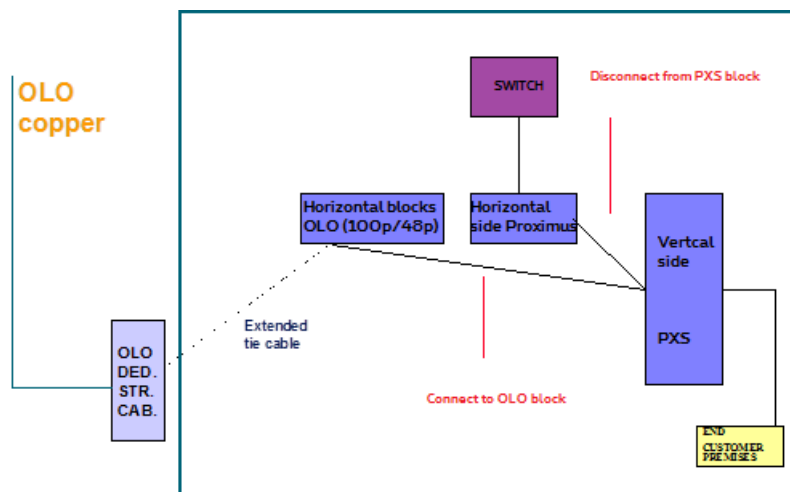


Fig. 1

Beneficiary will order the Extended Tie Cables and connection blocks at Proximus's Local Exchange building prior to the request of Raw Copper Loops. This ordering process is described in "Annex E: Planning and Operations manual".

If at a given moment, no more free wires are available in the Extended Tie Cables or no more free space is available on any of the Beneficiary blocks, the specific Raw Copper Loop requests issued by the Beneficiary will be rejected.

Standard default order:

The default standard unit that Beneficiary can order for the provisioning between blocks on the MDF and the colocation area are:

- 48 pairs for Type 2 loop with an increment of 2 blocks and associated cables: the blocks on the MDF will be two 48 pair block and the Tie Cables 4*24 pair shielded cables
- 100 pairs for the Type 1 loop with an increment of 1 block and associated cables: the block on the MDF will be a 100 pair block and the Tie Cables 1*100 pairs non-shielded cable or VVT cable.

Non-standard order:

Upon specific request of the Beneficiary, the incremental unit of ordering can be lowered to

- either 48 pairs for Type 2 loop with an increment of 1 blocks and associated cables: the block on the MDF will be a 48 pair block and the Tie Cables 2*24 pair shielded cable
- either 48 pairs for Type 2 loop with an increment of 1 blocks and associated cables: the block on the MDF will be a 48 pair block and the Tie Cables 1*24 pair shielded cable. (The attention is drawn to the fact that the latter type of increment is subject to further investigation within Proximus. Operational and documentation issues may therefore cause a longer provisioning delay than the ones indicated in the other related and relevant documents.)

The request for this lower increment must be explicitly notified to Proximus. The prices for this lower increment can be found in "Annex H: Price list".

1.2 Provisioning of blocks and Extended Tie Cables

Reference is made to "Annex E: Planning and Operations manual".

Product	Comments
1. 48 pair blocks for the provisioning of Type 2 loops.	Default ordering per increment of 2
2. 24 pair shielded cable for the provisioning of Type 2 loops.	Default ordering per increment of 4
3. 100 pair blocks for the provisioning of Type 1 loops	Ordering per increment of 1
4. 100 pair non-shielded cable or VVT cable for the provisioning of Type 1 loops.	Ordering per increment of 1

Note: The above services are settled according to "Annex H: Price list".

2. Description of the Cross Connection Cabinet

2.1 Definition

The existence of a Cross Connection Cabinet is a prerequisite for the implementation of this Service Description. The construction of the Cross Connection Cabinet is outside the scope of this agreement. The modules and the cable from these modules in the lower part of the Cross Connection Cabinet will be spliced on the cable from the Beneficiary according to the relevant provisions in the “Proximus Distant Colocation Agreement”.

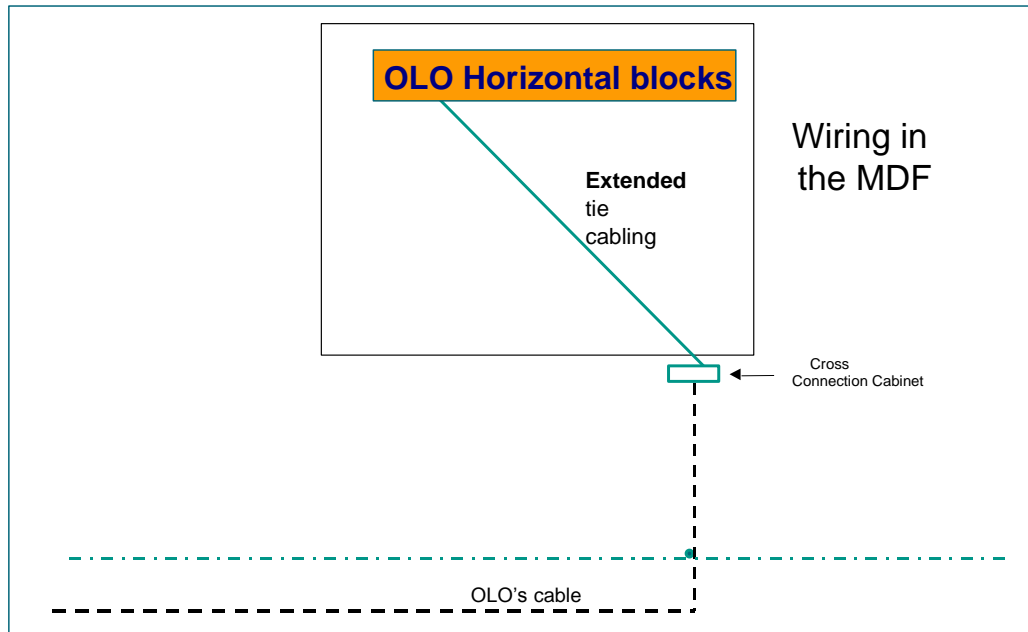


Fig. 2

Beneficiary will order the modules in the Cross Connection Cabinet prior to the request of Raw Copper Loops. This ordering has to be done at the same moment as the ordering of the blocks and the extended tie cabling to connect the MDF. The process is described in “Annex E: Planning and Operations manual”.

If at a certain moment, no more free space is available on the Cross Connection Cabinet blocks, the specific Raw Copper Loop requests issued by the Beneficiary will be rejected.

2.2 Provisioning of modules

Standard Order

The modules are composed of connectors. The unit that Beneficiary can order are:

- 96 connectors type LSA + (a+b+s) for Type 2 loops
- 100 connectors type LSA (a+b) for Type 1

Non-standard order:

Upon specific request of the Beneficiary, the incremental unit of ordering Connectors can be lowered to

- 48 connectors type LSA + (a+b+s) for Type 2 loops

Reference is made to “Annex E: Planning and Operations manual”.

Product	Comments
5. 96 connectors type LSA + (a+b+s) for Type 2 loops	Ordering per increment of 1
6. 100 connectors type LSA (a+b) for Type 1 loops	Ordering per increment of 1

Note: The above services are settled according to “Annex H: Price list”.

3. Jumpering in the Cross Connection Cabinet.

As indicated above, the Beneficiary will be responsible for handing over the necessary cable with the required distance to Proximus and will be responsible for bringing the cable up to the Cross Connection Cabinet and connecting the Beneficiary cable to the lower blocks in the Cross Connection Cabinet.

The Beneficiary is further responsible for dimensioning the cable and selecting the pairs within the Beneficiary cable.

Proximus will not be responsible for jumpering between the upper blocks and the lower blocks in the Cross Connection Cabinet. Proximus can also not be held responsible for any disturbances caused in the signal due to the choice between the pairs in the external Cable provided by Beneficiary going to the Beneficiary premises.