

Sub Loop Unbundling (SLU)

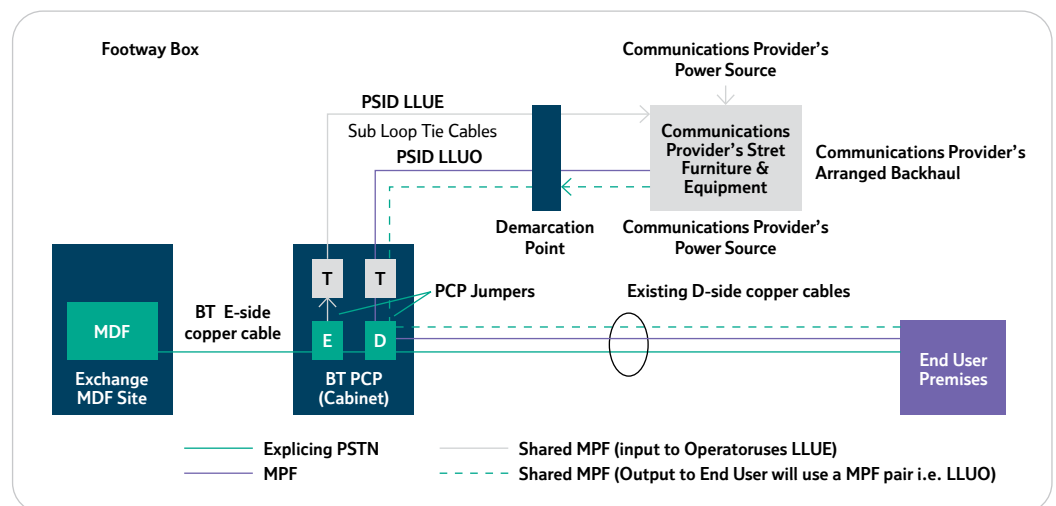
This product provides a 2-wire copper path between a customer's premises and your equipment connected by copper tie cables to a Sub Loop Connection Point (SLCP), which is normally the Primary Connection Point (PCP) within our network.



Sub loop connections consist of sub loop tie cables, sub loop connection point extensions (where required, to provide additional space to accommodate tie cable terminations and a handover joint box in the network between your equipment site and our PCP).

We offer three different ways to break into our network.

Product schematic



Dependencies

- To avoid interference between you and another communications provider accessing the same SLCP, all Sub Loop Tie Cables must comply with strict specifications. For Very high speed Digital Subscriber Lines (VDSLs), tie cable lengths must not exceed 100m. And the maximum differential length between all communications providers at a given SLCP must not exceed 50m.
 - To accommodate the tie cable terminations, we may need to extend the SLCP cabinet, for which there will be a charge.
 - You're responsible for pulling and terminating tied cables within your cabinet. You'll need a footway box within 5m of our network, which we can provide for an additional cost. Alternatively, you can use your own footway box and we can provide the ducting to it.
 - However, if you wish to bring your own network from your box into the Openreach network, we'll need to complete the connection (aka break-in), for which there will be a charge.
- Please note that:**
- The only exception to the 5m rule is when it's not physically possible, in which case our planners will opt for the shortest distance.
 - If there's not enough space or capacity to accommodate the tie cable terminations within the PCP, you may require a cabinet extension, which we'll charge for
 - We provide tie cables to the agreed point of handover, plus enough coiled length of cable for you to complete pull-in and termination within you cabinet.

Break-in options

There are now three different ways to break into our network:

- We can provide all of the break-ins of duct and tie cable.
- **Gifted duct and tie cable break-in carried out by you:** If you provide your own ducting, you or your contractor will need to conduct the joint box breakthrough and we'll provide the tie-cables.
- **Gifted duct break-in carried out by you:** You or your contractor, can break into the Openreach duct access network and provide all of the connections between your cables, equipment and the joint box.
This essentially means that you or your contractor will complete the work following the survey before asking us to test the circuits. The tie-cables will then become our property and you will pay the ongoing rental.

SLU with Shared Metallic Path Facility (SMPF)

- You can only have SLU with SMPF if you have an established SLU presence with SMPF tie cables, in addition to the associated Metallic Path Facility (MPF) tie cables we provide.
- The narrowband service will continue to be delivered from equipment providing a dial tone in the Main Distribution Frame (MDF) to which the SLCP is connected.
- Line sharing is implemented on a dedicated point-to-point metallic path from a customer's premises, through your equipment, to our MDF site.
- You'll need a copper pair within the SMPF and MPF tie cables that link your accommodation to the SLCP. One tie cable pair will carry the combined signal between you and your customer and the other will carry the narrowband service back to the exchange, via the SLCP.
- We strongly recommend that you don't use SMPF tie cables to provide MPF, as the associated SMPF tie pair will become redundant.
- You must install your equipment and splitter within your SLU equipment enclosure. It must not interfere with the low frequency service spectrum we use (i.e. it must adhere to the Access Network Frequency Plan).
- The Openreach interface at the customer's premises must be standard Network Terminating Equipment (NTE).

SLU with Metallic Path Facility (MPF)

- You can only have SLU with MPF if you have an established SLU presence at the SLCP where we've already provided an MPF tie cable.
- SLU with MPF is provided on a dedicated point-to-point metallic path from a customer's premises, through your equipment, via our SLCP.
- SLU MPF requires one copper pair within the sub loop tie cable that connects your accommodation to the SLCP.
- Your equipment must adhere to the requirements of the Access Network Frequency Plan (ANPF).
- The Openreach interface at the customer's premises must be standard Network Terminating Equipment (NTE).

For more information on Sub Loop Unbundling visit www.openreach.co.uk or contact your business development manager.

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