



KINOPTIC™

Subscriber Premises

Multi Dwelling Solution - Riser extraction technique

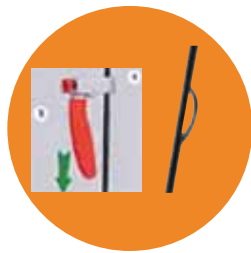
Multi Dwelling Solution - Riser extraction technique

Short description of the solution

Nexans Multidwelling solution offers cables, components and engineering for high or low density buildings. This solution has been designed to meet requirements for single operator or mutualised fibre operators network.

Key constraints for the Multi-dwelling solution:

- Need for CAPEX optimisation even with buildings with low penetration;
- Need for fast deployment solution;
- Need to respect aesthetics rules of private areas;
- Need for maintainable equipments & solutions during the fibre life-time.

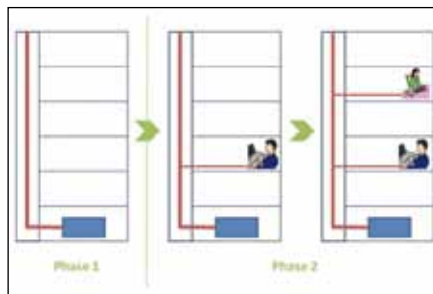


Advantages of the solution

Nexans has developed a solution using a permanent access on the vertical cable. It allows spreading out the deployment in 2 phases.

The Home Passed ready - Phase 1

Installation of basement box on the wall;
Installation of the vertical riser cable through all the floors.



The Drop on Demand - Phase 2

The second phase aims to connect one by one every new subscriber. To extract a fiber from the riser cable, select it inside the cable and cut it at the upper floor. Then extract it from at the lower floor, and install a floor box.

There are 2 main types of riser cables:

- Riser cables made of several micro-sheaths of 250 μm fiber. A micro-sheath is extracted at a time;
- Riser cables made of individual Nanodrops containing a single 1mm fiber but reinforced with kevlar. Thus the nanodrop can be individually extracted over a long length, and then installed in a MiniRouteFloor.

The connection between the subscriber and the floor is preferably done, by deploying a preterminated subscriber kit. The outlet is fixed on the subscriber wall and the drop cable is unrolled and fixed down to the floor box, where it is spliced.

Benefits of the solution

1 The Home Passed ready phase

Ultra fast deployment transforming in a single phase, all the subscribers of the building into eligible subscribers
Reduced CAPEX:

- Installation time and needed equipment significantly reduced;
- No waste of cable coil at each floor.

2 The Drop on Demand Phase

Time efficient drop deployment:

- The preterminated subscriber kit offers great time savings with a reliable product, tested in factory;
- A unique splice at the floor (by using also preterminated riser cables).

3 Additional

Human care:

- Flame retardant and Zero halogen;
- Laser protection at the terminal outlet level;
- Careful aesthetics of the outlets.

Components & installations



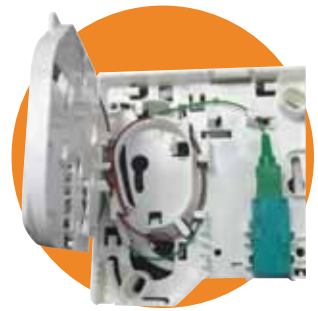
RoE Operator



Floor distribution closure

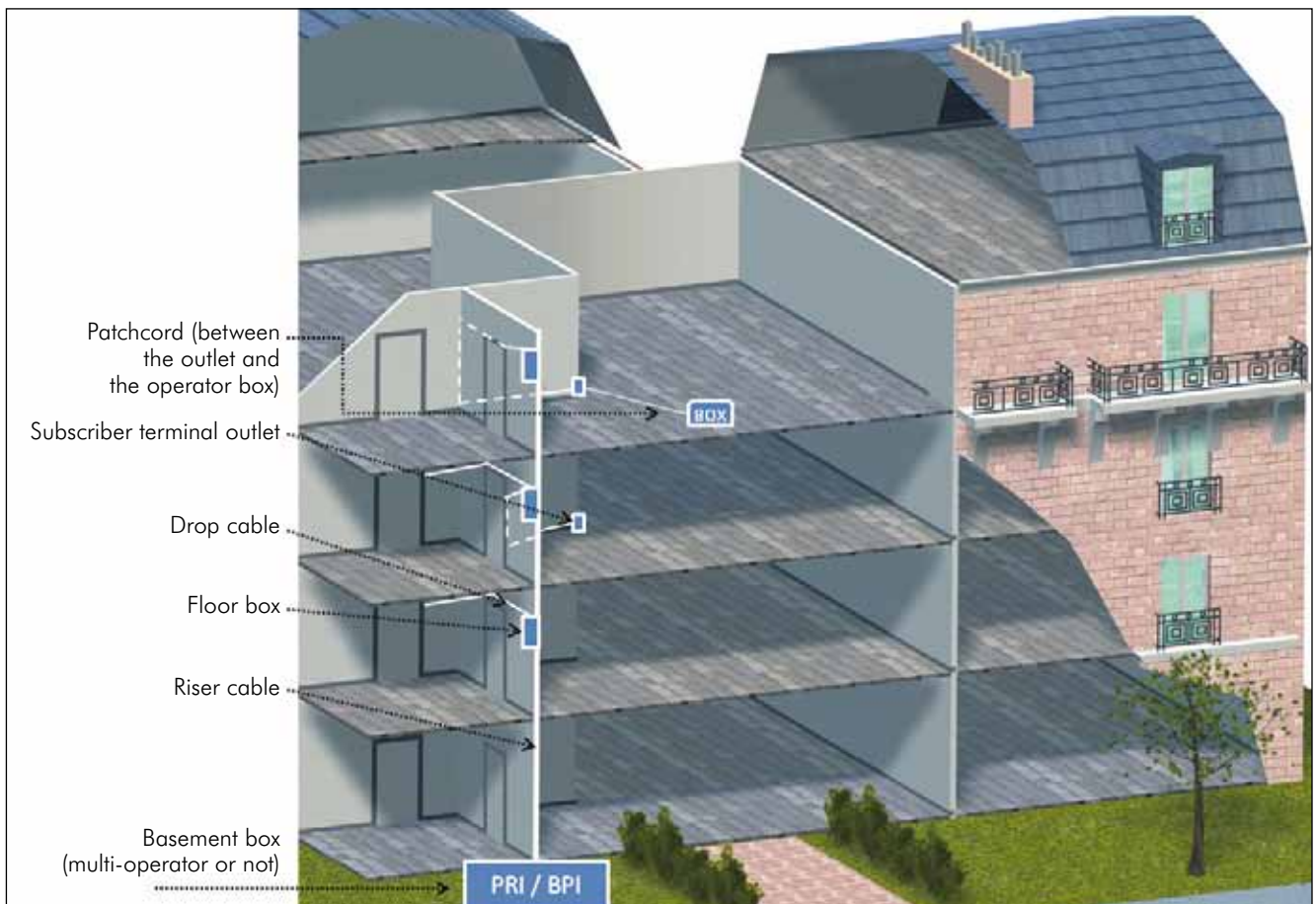


MiniRouteFloor



Tetr@XS-2 with 1 SC/APC

Scheme of a typical installation



Bill of material

Basement box product range		
Type	Order-No	GTIN
PRI 24 (with 1 preconnectorised operator module)	10139970	3444360105727
BPI 48 (Splicing - outdoor Box)	10180301	3444360131603
BPI 144 (Splicing - indoor Box)	10172209	3444360141282
CPO16 (16 SC connector - outdoor Box)	10142964	3444360141275

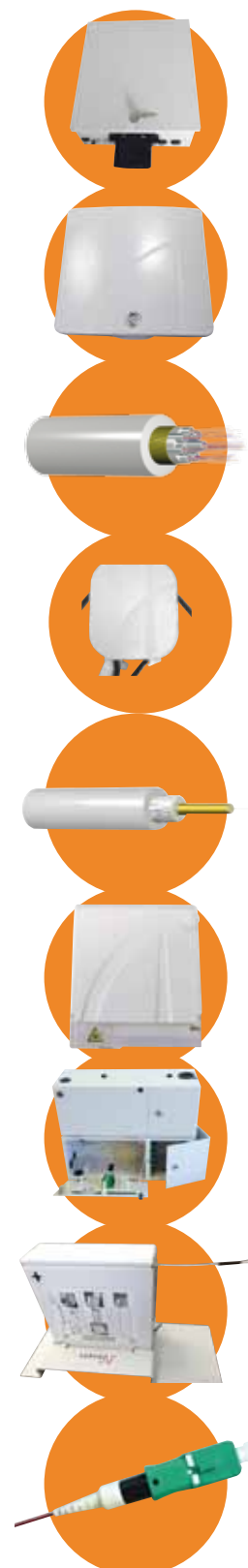
Vertical cable product range and the associated tools		
Type	Order-No	GTIN
Vertical cable of 24 fibers, SP1375 24xSM-D IV (N)	10170822	5413404246885
Vertical cable of 48 fibers, SP1375 48xSM-D IV (N)	10170821	5413404246892
Vertical cable of 72 fibers, SP1375 72xSM-D IV (N)	10190486	5413404251612

Floor Outlet product range		
Type	Order-No	GTIN
Verthor 12 splices + sealing kit + securisation	10175625	3444360126937
Verthor 24 splices (std)	10176650	3444360141251
Options - Cover extension kit (top and bottom)	10173329	3444360125541
Wall spacer kit	10182449	3444360141268
MiniRouteFloor 3 mm	10211373	3444360175010

Drop cable product range		
Type	Order-No	GTIN
G-1 Subscriber drop cable SP1302 LSZH 2,6 mm	10137838	5413404243693
G-1 Subscriber drop cable SP1249 LSZH 4,1 mm	10164113	5413404244881

Terminal outlet product range		
Type	Order-No	GTIN
@XS Hybrid outlet (2 SC + 1 RJ45 adapter not included)	10165294	3444360141237
Tetr@XS-2 outlet (2 SC slot - equiped with 1 SC/APC)	10203045	3444360162294
Kit [4SC Tetr@XS-4 Outlet + 50m drop cable + unroll box]	10204736	3444360164199

Mechanical connector product range		
Type	Order-No	GTIN
SC/SPC mechanical connector	10218486	3444360187013
SC/APC mechanical connector	10218487	3444360187020
Installation kit	10171639	3444360124230



Global expert in cables and cabling systems