

Multi Dwelling Unit

Drop on demand

Nexans



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The Multidwelling Solution

Drop on demand

Short description of the solution

Nexans Multidwelling solution offer 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 privative 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 who is asking the fibre services.

Within a few steps, the bundle of fibres (or the individual nanodrop fibre) is extracted from the vertical cable to reach the home.

- On floor (or several floors) above the subscriber, cut the selected fibre bundle (or individual nanodrop fibre) of the cable by opening it and protect it after all

- At the subscriber floor, open the cable & extract the bundle (or the individual nanodrop fibre) cut previously
- Install a VertHor Floor box to protect and manage the fibres and the splices / Or route the nanodrop fibre through the tube
- Install the drop cable until the home and make the splice in the floor box / Or route the nanodrop fibre through the tube
- Connect in a few minutes the subscriber in his home using a mechanical connector in the terminal outlet

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 CAPEX spread out and CAPEX savings

- installation time and needed equipment significantly reduced
- no waste of cable coil at each floor

2 The Drop on Demand Phase

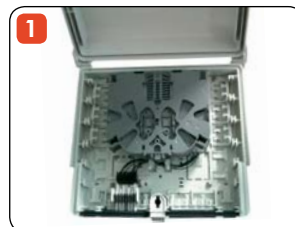
Time efficient drop deployment

- Mechanical connector installed in the Terminal Outlet
- Drop cable can be spliced at the same time in the floor outlet

3 Additional

Human care:

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



Components and installations



RoE Master



Floor distribution closure

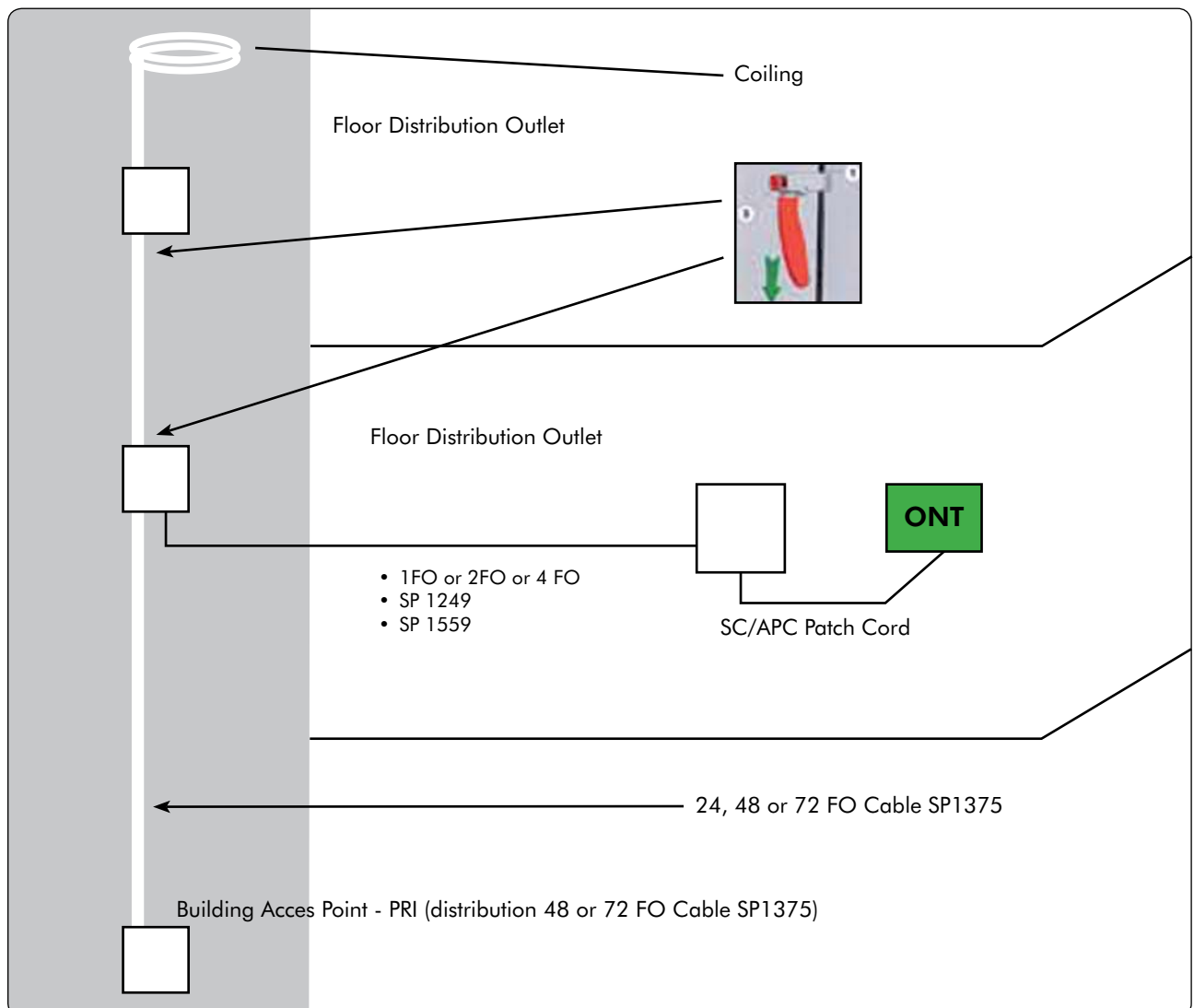


MiniRouteFloor



Tetr@XS-4 with 4 SC/APC

Scheme of a typical installation

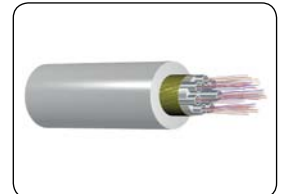


Bill of materials

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
RoE Master - Organiser	10211873	3444360175430
RoE Slave 24 FO	10211386	3444360176338



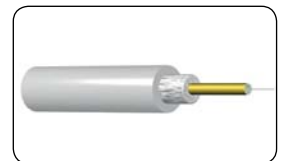
Vertical cable product range and the associated tools		
Type	Order-No	GTIN
Vertical cable of 24 fibres, SP1375 24xSM-D IV (N)	10170822	5413404246885
Vertical cable of 48 fibres, SP1375 48xSM-D IV (N)	10170821	5413404246892
Vertical cable of 72 fibers, SP1375 72xSM-D IV (N)	10190486	5413404251612



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 3mm	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
Semi tight buffer SC/SPC mechanical connector	10171637	3444360124223
Semi tight buffer SC/APC mechanical connector	10171638	3444360124216
Installation kit : PC version (flat cleaving tool)	10171639	3444360124230
Installation kit : APC version (angle cleaving tool)	10171640	3444360124247



Global expert in cables and cabling systems

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NEXANS reserves the right to implement product changes without prior notice.