

Micro-blown cables

**B-Lite™**

**Optimum Blow-Ability**

**High speed and long reach  
in access networks**

## Short description of the solution

Micro-blown cables are compact and low friction cables that can be installed inside microducts. These microducts have a smaller size (typically 8/10mm) compared with traditional ducts (45/50mm). Nexans micro-blown cables allow an optimization of the duct occupancy rate and provide a better cable / fiber optic density.

## Advantages of the solution

### More flexible infrastructure

- The installation of microducts is done in a one step process. The possibility to have separate microducts allows to have individual cable management and to optimize the fibre count in different sectors of the network

### Fast & Easy cable installation and removal

- Blowing speed of 60 meter per minute
- Easy removal without disturbing the other cables as the cable is in an individual microduct

### Compact cables

- The drums are lighter and easier to move
- Cable coiling is much easier

### Long reach installation

- Low friction coefficient is optimized with lubricant input
- The distance is then much longer compared to traditional duct installation

### Easy mid span access

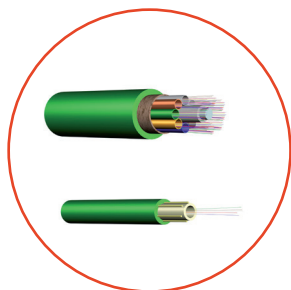
- Special toolings have been developed to remove in a safe way the external sheath
- The micro bundle structure is easy to remove with a direct access to the fibres
- This structure is thus optimized for frequent mid span access (urban connexions)
- The bundle structures provide an easy coiling and avoid kink issues

### Movability

- Possibility to push on 100+ meters
- The cable can be pushed manually or mechanically for fibre to home access without the need of air compressor



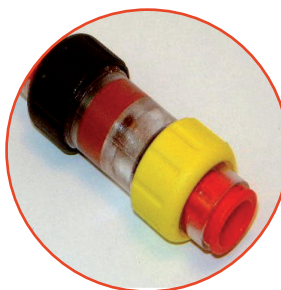
## Micro cables and duct accessories



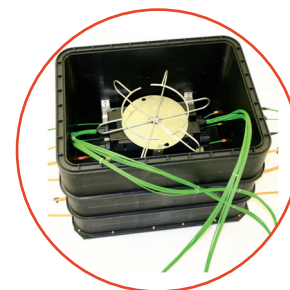
Micro cables



Direct buried microducts



Gas stop connector



Manhole with coiling section

# Components & installations

Compatibility Table

Nexans reference	Fibre count	Cable overall diameter (mm)	Bundle Modularity	Pulling force (daN)
SP1134 – 4 FO	4	2,4	Uni bundle	12
SP1134 – 12 FO	4 - 12	2,4	Uni bundle	12
SP1089 – 12 FO	4 - 12	3,9	Uni bundle	15
SP1100 – 72 FO	24 - 72	5,4	6 x 8 or 6 x 12	70
SP1351 – 96 FO	96	6,4	8 x 12	100
SP1358 – 144 FO	144	8,1	12 x 12	150
SP1503 – 192 FO	192	8,5	8 x 24	170
SP1516 – 288 FO	288	10,5	24 x 12	200

Nexans reference	Cable Overall Diameter	3,5 mm	5,5 mm	8 mm	10 mm	12 mm	14 mm
SP1134 – 4 FO	2,4	Green	Green	Green	Green	Yellow	Yellow
SP1134 – 12 FO	2,4	Green	Green	Green	Green	Yellow	Yellow
SP1089 – 12 FO	3,9	Red	Green	Green	Green	Yellow	Yellow
SP1100 – 72 FO	5,4	Red	Red	Green	Green	Yellow	Yellow
SP1351 – 96 FO	6,4	Red	Red	Green	Green	Green	Yellow
SP1358 – 144 FO	8,1	Red	Red	Red	Yellow	Green	Green
SP1503 – 192 FO	8,5	Red	Red	Red	Yellow	Green	Green
SP1516 – 288 FO	10,5	Red	Red	Red	Red	Yellow	Green

	Optimized dimensional compability
	Acceptable dimensional compability
	To be avoided
	Incompatible

## Scheme of a typical installation

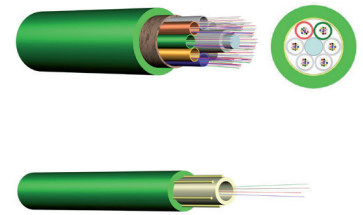


Blowing of microcable in mid-span technic, using the Figaro.

## Bill of materials

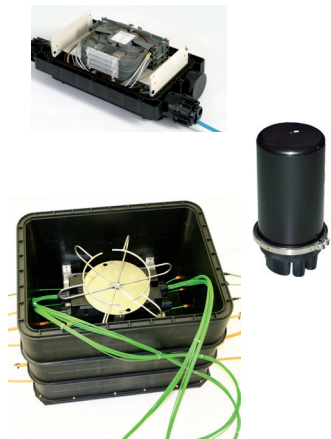
### Cables from 2 to 288 FO

Type	SAP Order-Code
SP1134 - 2 FO	10106955
SP1134 - 4 FO	10104085
SP1134 - 12 FO	10198025
SP1089 - 12 FO	10101729
SP1100 - 72 FO	10098693
SP1351 - 96 FO	10135882
SP1358 - 144 FO	10171630
SP1503 - 192 FO	10190397
SP1516 - 288 FO	10198024



### Splice closures and manhole accessories

Type	Order-No
WTC 1 for B-lite™ green 36 subscribers	10124320
WTC 2 for B-lite™ green 60 subscribers	10115874
DCS T3 FibreArt	10103072
Coiling section manhole WTC 1	10139858
Coiling section manhole WTC 2	10156516
Coiling section manhole DCS 3	10156517



### Ducts and connections\*

Type	Order-No
DB tube 16/10 mm diameter	8001731
DB tube 12/8 mm diameter	8001730
SUB duct 12/9,6 mm diameter	8005084
SUB duct 10/8mm diameter	8005068
Reduction muff 10/8 mm 100 pcs.	8007901
Quick coupler 10/10 mm 100 pcs.	8007704



\*Wavin order numbers

Other products are available, please contact us.



Global expert in cables and cabling system

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