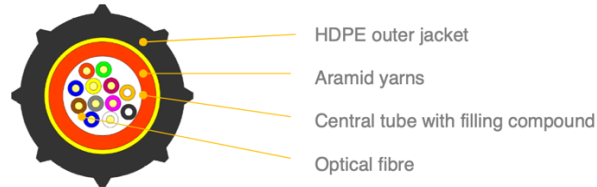


## Reinforced last mile micro cable

### Micro Groove



\*schematic drawing, not in scale

#### Application

Installation by blowing FTTH & last mile connection

#### Design

UV stabilized HDPE outer jacket with low coefficient of friction  
 Aramid yarns as a strain relief  
 Gelly filed central tube with optical fibres  
 Smallest outer diameter for blowing into 5/3,5mm ducts

#### Configuration

Type cable	Fibre count	Nom. diameter	Nominal weight	Max allowed tension
		[mm]	[kg/km]	[N]
MicroGroove	2-12F (250um)	2.4	4.0	50N
MicroGroove	24F	2.7	5.6	50N

#### Main mechanical and environmental characteristics

Test	Standard	Specified value	Requirement
Tensile strength Installation	EN187000	50N	$\Delta\epsilon_f \leq 0.5\%$ , $\Delta\alpha \leq 0,1$ dB/km
Tensile strength Operation	EN187000	30N	$\Delta\epsilon_f \leq 0.5\%$ , $\Delta\alpha \leq 0,1$ dB/km
Crushing resistance	EN187000, m. 504	200N (100x100mm) for 60 sec	$\Delta\alpha \leq 0.05$ dB/km, after the test
Repeated bending	EN187000, m. 507	25 cycles	

(\*) values for single-mode fibres, all optical measurements performed at @1550 nm

#### Optical fibre and loose tubes colour identification

For optical fibres and loose tube identification information please see DSH\_Colors\_CODE\_XXXX document.

#### Fibre parameters

For selected post-production optical fibres parameters please see DSH\_OFP document.



Type	MicroGroove	REV. 1
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Modified		

### Marking

Laser print is applied at 1-meter intervals.

### Packing

Cables are shipped on disposable plywood drums. Both ends of the cable are capped and at least one is accessible for testing. Identification information is placed on a drum. Typical spool length is 1000 – 4000 meters  $\pm$  5%, with possibility of supplying up to 5% of total contract quantity as short length cables which should be above 1000 meters long. Tolerance of 5 % of order quantity shall be allowed. Maximal length of production cables is 5000 meters.