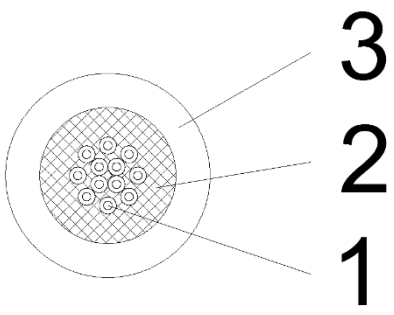
MICRODUCT BLOWN FIBRE UNIT NBFU



1. Optical fibres	2. Buffer layer	3. Sheath

Application	Optical fibre cable for microduct installation by blowing or pushing.	
Construction	Optical fibres	Coloured single-mode fibres according to the ITU-T G.657.A1.
	Buffer layer	UV cured polymer.
	Outer sheath	UV resistant black polyethylene compound (HDPE). Nominal thickness is 0,2 mm.
	Marking	Marking printed on the sheath at one meter interval: Nestor Cables - Cable type – lot number - year of manufacture - length marking
Standard references	Cable properties	IEC 60794-5
	Test methods	IEC 60794-1-2x

Maximum cabled fibre attenuation					
Wavelength	1310	1383	1550	1625	nm
Attenuation	0,36	0,36	0,22	0,24	dB/km

Nominal dimensions					
Fibres		Diameter [mm]	Weight [kg/km]	Minimum bending radius [mm]	
Count	Grouping	Cable	Cable	Dynamic	Static
2	1×2	1,2	1,2	50	25
4	1×4	1,2	1,2	50	25
12	1×12	1,5	1,9	50	25

Colour coding	
Number of fibres	Colour of the fibres
2	blue, orange
4	blue, orange, green, brown
12	blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Colour coding standard	ANSI/EIA/TIA 598-C

Preliminary cable characteristics		
Max. tension	- Fibre elongation ≤ 0,33 %, change in attenuation after test ≤ 0,05 dB	2 and 4F: 10 N 12F: 30 N
Crush strength	- With 100 mm plate, no change in attenuation (≤0,05 dB) during test	250 N
	- no change in attenuation after test	500 N
Impact	- Impact head diameter 50 mm, radius 300 mm	0,5 J, one impact
Torsion	- Number of turns	±1, (length 1000 mm)
Temperature range	- Operation	-40 to +60 °C
	- Storage, transport	-40 to +70 °C
	- Installation	-15 to +40 °C
Water penetration		< 3 m, 24 h