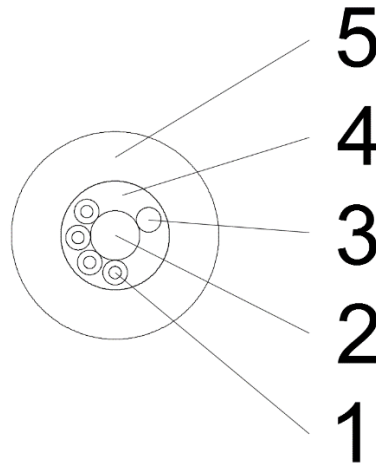


OUTDOOR MICRO DUCT CABLE FRMU MICRO 2,1



1. Optical fibres	2. FRP rod	3. Rip cord	4. Inner sheath
5. Outer sheath			

Application	Optical fibre cable for microduct installation by blowing.	
Construction	Optical fibres	Coloured single-mode fibres according to the ITU-T G.657.A2
	Strength member	Glass fibre reinforced plastic rod (FRP).
	Rip cord	Non-metallic rip cord applied under the sheathing layers.
	Inner sheath	Soft thermoplastic compound.
Outer sheath	UV resistant black polyethylene compound (HDPE). Nominal sheath thickness is 0,4 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 60794-5-10
	Test methods	IEC 60794-1-2x
	Halogen free	IEC 60754-2

Maximum cabled fibre attenuation					
Wavelength	1310	1383	1550	1625	nm
Attenuation	0,36	0,36	0,22	0,26	dB/km

Nominal dimensions						
Fibres		Diameter [mm]		Weight [kg/km]	Minimum bending radius [mm]	
Count	Grouping		Cable	Cable	Dynamic	Static single turn
4	1x4		2,1	3,7	40	30

Colour coding	
Number of fibres	Colour of the fibres
4	blue, white, yellow, green
Colour coding standard	FIN2012

Cable characteristics		
Max. tension	- Fibre elongation $\leq 0,6 \%$, change in attenuation after test $\leq 0,05$ dB	75 N
Crush strength	-With 100 mm plate	1000 N
	-With 25 mm mandrel	100 N
Impact	- Impact head diameter 50 mm, radius 300 mm	2 J, one impact
Torsion	- Number of turns	± 1 , (length 1000 mm)
Temperature range	- Operation, storage, transport	-40 to +60 °C
	- Installation,	-15 to +60 °C
Water penetration		< 3 m, 24 h

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