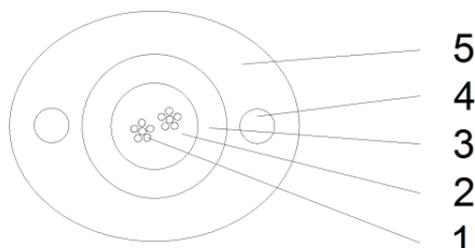


DIRECT BURIED DROP CABLE FYO2PMU MINI



1. Optical fibres	2. Jelly filling	3. Core tube	4. Steel wire
5. Sheath			

Application	Optical fibre cable for connecting the end-user to access network in Fibre To The Home (FTTH) applications. Suitable for direct buried or duct installation.	
Construction	Optical fibres	Coloured single-mode fibres according to the ITU-T G.652.D.
	Secondary coating	A plastic core tube with jelly filling.
	Strength members	Two 1,2 mm high tensile strength steel wires in the sheath.
	Outer sheath	The cable sheath consists of UV resistant black polyethylene compound (LLDPE). Minimum sheath thickness is 1,2 mm. Min. thickness from wire to outer surface is 0,5 mm.
	Sheath marking	Marking printed on the sheath at one meter interval: Nestor Cables - cable type - lot number - year of manufacture - length marking

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	Core tube	Cable width	Cable height	Average	Cable	During installation	Installed
4	1×4	3,7	8,8	6,4	7,6	60	150	60
6	1×6	3,7	8,8	6,4	7,6	60	150	60
12	1×12	3,7	8,8	6,4	7,6	60	150	60

Lay-up and colour of the fibres and group yarns			
Number of fibres	Lay-up	Colour of the group yarns	Colour of the fibres
4	1×4	-	blue, white, yellow, green
6	1×6	-	blue, white, yellow, green, grey, orange
12	1×12	-	blue, white, yellow, green, grey, orange, brown, aqua, black, violet, pink, red
Colour coding standard			FIN2012

Mechanical characteristics (IEC60794-1-2)		
Max. tension	- During installation -Fibre elongation ≤ 0.33%, no change (≥0,05 dB) in attenuation after test.	3500 N
	- During operation -No change (≥0,05 dB) in attenuation during test.	2000 N
Crush strength	-With 100 mm plate, perpendicular to the plane of wires	5000 N
	-With 100 mm plate, in plane of the wires	3000 N
	-With 25 mm mandrel, perpendicular to the plane of wires	2000 N
Bending radius	- During installation (dynamic) (min)	20 x Diameter
	- Final installation (static) (min)	10 x Diameter
Impact	- Energy (max)	20 J, one impact
Torsion	- Number of turns (max)	±1, (length 1000 mm)
Temperature range	- Operation, storage, transport	-45 to +70 °C
	- Installation	-15 to +70 °C
Water penetration		< 3 m, 24 h

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