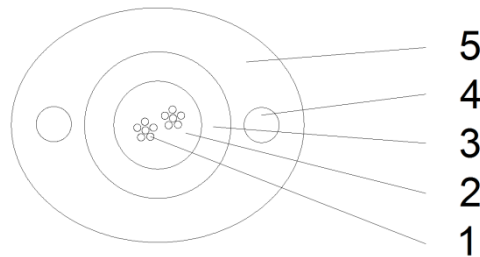


NON METALLIC DIRECT BURIED DROP CABLE FYO2RMU 3,5 kN



1. Optical fibres	2. Jelly filling	3. Core tube	4. FRP rod
5. Sheath			

Application Non-metallic 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 2,1 mm glass fibre reinforced plastic rods in the sheath.
Outer sheath	UV resistant black polyethylene compound (LLDPE). Minimum sheath thickness is 2,0 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

Standard references

Cable properties	IEC 60794-3-11
Test methods	IEC 60794-1-2x
Halogen free	IEC 60754-2
Reaction to fire	EN50575:2014+A1:2016 class Fca



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	Dynamic	Static
4	1×4	3,7	10,0	9,5	9,8	79	190	95
6	1×6	3,7	10,0	9,5	9,8	79	190	95
12	1×12	3,7	10,0	9,5	9,8	79	190	95

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

Cable characteristics		
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.	1500 N
Crush strength	-With 100 mm plate, perpendicular to the plane of wires	6000 N
	-With 100 mm plate, in plane of the wires	5000 N
	-With 25 mm mandrel, perpendicular to the plane of wires	2000 N
Bending radius	- During installation (dynamic)	20 x Diameter
	- Final installation (static)	10 x Diameter
Impact	- Energy	20 J, one impact
Torsion	- Number of turns	±1, (length 1000 mm)
Temperature range	- Operation, storage, transport	-45 to +70 °C
	- Installation	-15 to +70 °C
Water penetration		< 3 m, 24 h
Reaction to fire	- EN50575:2014+A1:2016	Fca

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