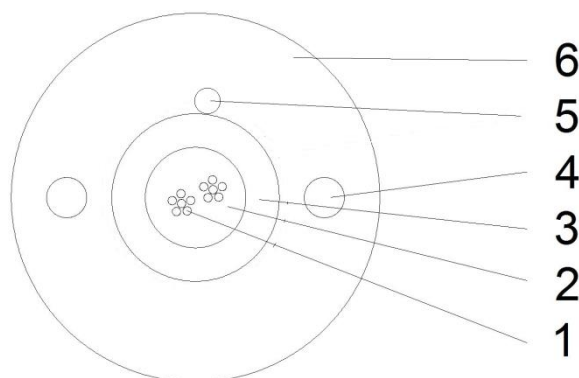


DUCT CABLE FYO2RMU MINI MT



1. Optical fibres	2. Jelly filling	3. Core tube	4. FRP rod
5. Tracer wire	6. Sheath		

Application Optical fibre cable for duct installation. Suitable also for direct buried installation depending on soil conditions. Metallic tracer wire for cable detection in the ground.

Construction	Optical fibres	Coloured single-mode fibres according to the ITU-T G.657.A1.
	Secondary coating	A plastic core tube with jelly filling.
	Strength members	Two 1,0 mm glass fibre reinforced plastic rods (FRP) in the sheath.
	Tracer wire	0,5 mm solid tinned copper wire
	Outer sheath	UV resistant polyethylene compound (HDPE). Colour of the sheath is orange. Minimum sheath thickness is 1,5 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

Maximum cabled fibre attenuation					
Wavelength	1310	1383	1550	1625	nm
Attenuation	0,35	0,35	0,22	0,24	dB/km

Nominal dimensions								
Fibres		Diameter [mm]				Weight [kg/km]	Minimum bending radius [mm]	
Count	Grouping	Core tube	Cable			Cable	Dynamic	Static
4	1×4	2,8	6,4			35	120	60
12	1×12	2,8	6,4			35	120	60

Colour coding	
Number of fibres	Colour of the fibres
4	blue, white, yellow, green
12	blue, white, yellow, green, grey, orange, brown, turquoise, black, violet, pink, red
Colour coding standard	FIN2012

Cable characteristics		
Max. tension	- Short term, fibre elongation $\leq 0.6 \%$, no change ($\geq 0,05$ dB) in attenuation after test.	500 N
	- Long term, fibre elongation $\leq 0.2 \%$, no change ($\geq 0,05$ dB) in attenuation during test.	150 N
Crush strength	-With 100 mm plate	3000 N
Bending radius	- Dynamic (During installation)	20 x Diameter
	- Static (Final installation)	10 x Diameter
Impact	- Energy	10 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

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