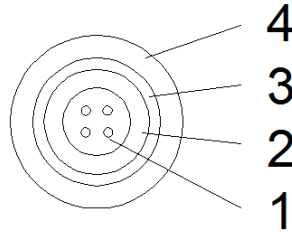


OUTDOOR MICRO DUCT CABLE GRGLDV



1. Optical fibres	2. Core tube	3. Strength members	4. Outer sheath
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Application	Optical fibre cable for microduct installation by blowing.	
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	Aramide yarns under the sheath. Yarns are applied helically around the core tube. They can also be used as a rip cord to split the outer sheath.
	Outer sheath	UV resistant black polyethylene compound (HDPE). Nominal sheath thickness is 0,5 mm.
	Marking	Marking printed on the sheath at one meter interval: Nestor Cables - Cable type – S12 - 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	Cable	During installation	Installed
2	1x2	3,0	4,0	14	80	60
4	1x4	3,0	4,0	14	80	60

Colour coding	
Number of fibres	Colour of the fibres
2	red, blue
4	red, blue, white, green
Colour coding standard	S12

Mechanical characteristics (IEC60794-1-2)		
Max. tension	- Fibre elongation $\leq 0,33$ %, change in attenuation during test $\leq 0,05$ dB	300 N
Crush strength	-With 100 mm plate, change in attenuation during test $\leq 0,05$ dB	1000 N
Bending radius	- During installation (min)	20 x Diameter
	- Final installation (min)	15 x Diameter
Impact	- Energy (max)	2 J, one impact
Torsion	- Number of turns (max)	± 1 , (length 1000 mm)
Temperature range	- Operation, storage, transport	-40 to +70 °C
	- Installation	-15 to +60 °C
Water penetration		< 3 m, 24 h

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