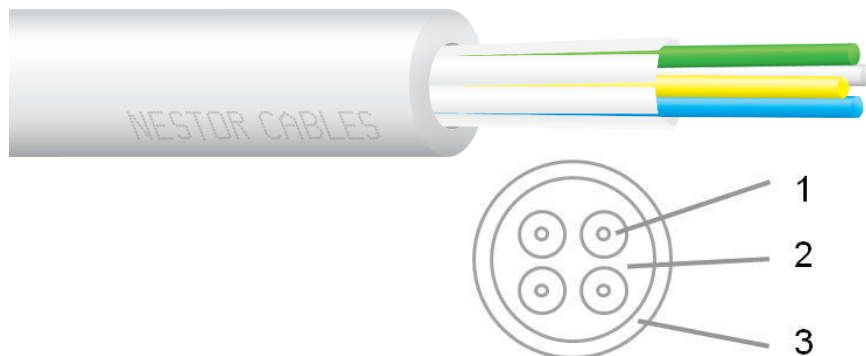


INDOOR/OUTDOOR CABLE FTMSU CCA G.657.A1



1. Optical fibres	2. Strength members	3. Outer sheath
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Application	Non-metallic tight-buffered optical fibre cable for indoor/outdoor FTTX applications. (riser, distribution and drop cable)	
Construction	Optical fibres	Single-mode fibres according to the ITU-T G.657.A1.
	Secondary coating	Tight buffer, outer diameter 900 µm.
	Strength members	Glass yarns with water-blocking coating under the sheath.
	Outer sheath	Flame retardant, halogen free and UV resistant plastic (LSZH). Colour of the sheath is light grey RAL 7035. Nominal sheath thickness is 1,4 mm.
	Sheath marking	Marking printed on the sheath at one meter interval: Nestor Cables - cable type - year of manufacture - length marking
Standard references	Cable properties	IEC 60794-2-21
	Test methods	IEC 60794-1-2x
	Flame retardant	IEC 60332-1-2, IEC 60332-3
	Low smoke	IEC 61034-2
	Halogen free	IEC/EN 60754-2
	Reaction to fire	EN50575:2014+A1:2016 class Cca -s1b,d0,a1



Maximum cabled fibre attenuation					
Wavelength	1310	1383	1550	1625	nm
Attenuation	0,37	0,37	0,23	0,25	dB/km

Nominal dimensions					
Fibres		Diameter [mm]	Weight [kg/km]	Minimum bending radius [mm]	
Count	Grouping	Cable	Cable	Dynamic	Static
4	1×4	6,2	41	120	60
12	1×12	8,0	65	160	80
24	1×24	9,2	86	180	90

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

Cable characteristics			
Max. tension	- During installation, max fibre strain 0,6 %	4F	12, 24F
		500 N	1000 N
Crush strength	-With 100 mm plate	2000 N	
	-With 25 mm mandrel	500 N	
Bending radius	- During installation (dynamic)	20×D	
	-Final installation (static)	10×D	
Impact	-Energy	5 J, one impact	
Torsion	- Number of turns	±1, (length 1000 mm)	
Temperature range	- Operation	-45 to +60 °C	
	- Installation, storage, transport	-15 to +60 °C	
Water penetration		< 3 m, 24 h	
Reaction to fire	- EN50575:2014+A1:2016	Cca -s1b,d0,a1	

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