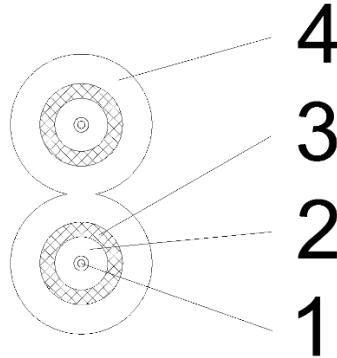


INDOOR DUPLEX CABLE FMS 2,8 MM 2 F



1. Optical fibre	2. Buffer	3. Strength members
4. Outer sheath		

Application	Non-metallic optical fibre cable for indoor installations.	
Construction	Optical fibre	SM G652D / 657.A1 single-mode fibers OM1, OM2,OM3,OM4 multi-mode fibres.
	Buffer	Tight buffer, outer diameter 900 µm.
	Strength members	Aramid yarns under the sheath.
	Outer sheath	Flame retardant, halogen free and UV resistant plastic (LSZH). Colour of the sheath is aqua. Nominal sheath thickness 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 60794-2-50
	Test methods	IEC 60794-1-2x
	Flame retardant	IEC 60332-3-24
	Low smoke	IEC 61034-2
	Halogen free	IEC/EN 60754-2

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

OM1 multimode fibre, cabled fibre attenuation and bandwidth			
Wavelength	850	1300	nm
Attenuation, max	3,0	1,0	dB/km
Bandwidth laser EMB, min	ns	ns	MHz×km
Bandwidth OFL, min	200	500	MHz×km

OM2 multimode fibre, cabled fibre attenuation and bandwidth			
Wavelength	850	1300	nm
Attenuation, max	3,0	1,0	dB/km
Bandwidth laser EMB, min	ns	ns	MHz×km
Bandwidth OFL, min	500	500	MHz×km

OM3 multimode fibre, cabled fibre attenuation and bandwidth			
Wavelength	850	1300	nm
Attenuation, max	3,0	1,0	dB/km
Bandwidth laser EMB, min	2000	ns	MHz×km
Bandwidth OFL, min	1500	500	MHz×km

OM4 multimode fibre, cabled fibre attenuation and bandwidth			
Wavelength	850	1300	nm
Attenuation, max	3,0	1,0	dB/km
Bandwidth laser EMB, min	4700	ns	MHz×km
Bandwidth OFL, min	3500	500	MHz×km

Nominal dimensions							
Fibres		Diameter [mm]			Weight [kg/km]	Minimum bending radius [mm]	
Count	Fibre colours	Fibre	Cable width	Cable height	Cable	Dynamic	Static
2	blue, orange	0,9	5,9	2,8	14,8	60	30

Cable characteristics		
Max. tension	- During installation, max fibre strain 0,6 %.	300 N
Crush strength	- Short term	1000 N
	- Long term	200 N
Bending radius	- During installation (dynamic)	60 mm
	- Final installation (static)	30 mm
Temperature range	- Operation	-20 to +60 °C
	- Installation	-15 to +60 °C
	- Storage, transport	-40 to +60 °C

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