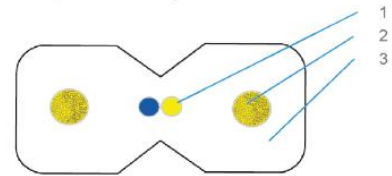


FTTH Indoor cable 2XG657A1



Indoor FO drop cable with easy fibre access



Technical product information

Product characteristics - optical fibers

Fibre

Type of fibre	Hydrogen passivated, dispersion unshifted, matched cladding bending loss insensitive single mode fibre 9/125 μm Full compatible with G.652.D fibre Optical and geometrical properties exceed ITU-recommendations G.652.D and G.657.A1
Standard	IEC-60793-2-50, B6 a1
Standard	ITU-T G.657.A1

Characteristics

Parameter		Properties	Unit
Mode field diameter: 1310 nm		9.0 ± 0.3	μm
Mode field diameter: 1550 nm		10.2 ± 0.4	μm
Core non-circularity	max.	6	%
Core/cladding concentricity error	max.	0.4	μm
Cladding diameter		125.0 ± 0.5	μm
Cladding non-circularity	max.	0.7	%
Coating diameter		242 ± 5	μm
Coating/cladding concentricity error	max.	8	μm
Temperature sensitivity: -60 to +85 $^{\circ}\text{C}$	max.	0.05	dB/km
Bending sensitivity - 100 turns around $\varnothing 50$ mm - 1550 nm	max.	0.05	dB
Bending sensitivity - 100 turns around $\varnothing 60$ mm - 1625 nm	max.	0.1	dB
Bending sensitivity - 10 turns around $\varnothing 30$ mm - 1550 nm	max.	0.3	dB
Bending sensitivity - 10 turns around $\varnothing 30$ mm - 1625 nm	max.	0.75	dB
Bending sensitivity - 1 turn around $\varnothing 20$ mm - 1550 nm	max.	1.5	dB
Bending sensitivity - 1 turn around $\varnothing 20$ mm - 1625 nm	max.	0.2	dB
Proof test level	min.	0.70	GPa
Fibre curl	min.	4	m
Cable cut-off wavelength	max.	1260	nm
Zero-dispersion wavelength		1300 – 1324	nm
Zero-dispersion slope	max.	0.090	ps/nm ² -km
Chromatic dispersion: 1285 nm – 1330 nm	max.	[3.2]	ps/nm-km
Chromatic dispersion: 1550 nm	max.	17	ps/nm-km
Chromatic dispersion: 1625 nm	max.	21	ps/nm-km
Polarisation mode dispersion: max. individual fibre	max.	0.1	ps/nm-km
PMD ₀	max.	0.06	ps/ $\sqrt{\text{km}}$
Max. attenuation at 1383 nm (α_{1383}) [note a]	< max.	α_{1310}	-
Effective group core refractive index: 1310 nm		1.4671	-
Effective group core refractive index: 1550 nm		1.4675	-
Effective group core refractive index: 1625 nm		1.4680	-

ORDER CODES / ΚΩΔΙΚΟΙ ΠΡΟΪΟΝΤΩΝ

FTTH-2G657A1

OPTRONICS FTTH cable 2XG657A1