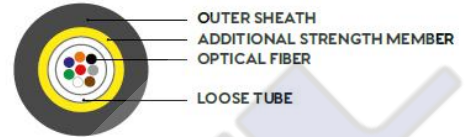


## Xoptic Drop FTTx 1-4 SM G657A1-3mm-1000N



### Cable Description



### Applications



Applied outdoor, for installation on the telecommunication supports, between the buildings and industrial constructions



Applied indoor, for cable tray distribution networks of fiber optics. It is allowed to lay cable on the outdoor facade of a building.

### Features



Perfect for indoor distribution networks of fiber optics



High connecting usability, easy access to the fiber core



Full dielectric design



High flexibility design



Fire redundant protection



UV radiation protection



Tensile load rating – 1 kN



Crushing load of cable



Minimum dimension and weight of drop cable

### Color code (TIA/EAI 598)



## Technical Data

Item	Value (N)
	1-4 fibers
<b>Loose tube diameter</b>	0.9 mm
<b>Loose tube material</b>	LSZH
<b>Loose tube color</b>	Natural
<b>Additional strength member material</b>	5*1670 of Aramid yarns
<b>Outer sheath material</b>	LSZH
<b>Outer sheath color</b>	Black
<b>Cable diameter (mm)</b>	3.0
<b>Cable weight (kg/km)</b>	8.0
<b>Operating temperature range (°C)</b>	-50 +70
<b>Tensile strength short/long term (N)</b>	1000/400

## Characteristics Fiber

Item	Attenuation		Min. bending radius dynamic/static
	@1310nm	@1550nm	
<b>G.652.D</b>	≤0.40 dB/km	≤0.30 dB/km	10D/20D
<b>G.657.A1/A2</b>	≤0.35 dB/km	≤0.25 dB/km	10D/20D

## Main Mechanical and Environmental Performances

Items	Test Standard	Specified Value	Requirements
<b>Tension</b>	IEC 60794-1-2-E1	See technical data	Additional attenuation: ≤0.4dB after test
<b>Crush</b>	IEC 60794-1-2-E3	See technical data	Additional attenuation: ≤0.4dB after test
<b>Impact</b>	IEC 60794-1-2-E4	R=300mm, 10Nm, one in 3 different places	Additional attenuation: ≤0.4dB after test
<b>Repeated bending</b>	IEC 60794-1-2-E6	R=20D	Additional attenuation: ≤0.4dB after test
<b>Water penetration</b>	IEC 60794-1-2-F5	Sample length=3mm, water height=1m, 24 hours	No water leakage
<b>Temperature cycling</b>	IEC 60794-1-2-F1	-50°C~+70°C	Attenuation change: ≤0.4dB/km after test

\* All optical measurements at 1550nm.