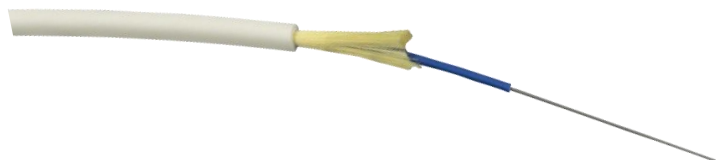
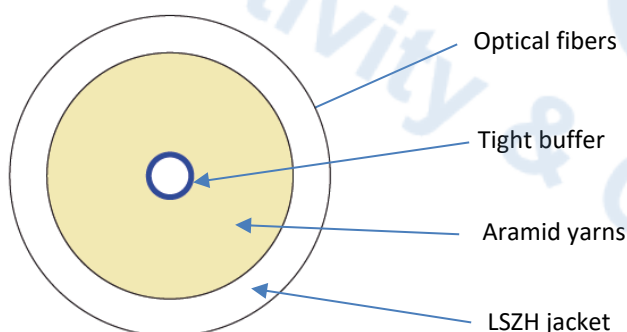


Code	2008491
Description	Drop cable Tight Buffered, 1 FO 9/125 G.657.A2, LSZH jacket, Cca



1 FO drop cable

Tight Buffered optical cable for indoor use with 1 singlemode G.657.A2 fiber, aramid yarns filling, outer sheath in LSZH (Low Smoke Zero Halogen), Euroclass Cca s1a,d0,a1. The optical fiber has a tight buffer of 900 µm. This cable is ideal for vertical backbones and horizontal distribution cables in POLAN-type optical networks and for the implementation of FTTH systems.



Constructive characteristics

Construction	1 Tight Buffered fibers
Buffer	900 ± 50 µm
Optical fiber type	Singlemode 9/125 G.657.A2 bend insensitive
Filler	Aramid yarns
Outer jacket material	LSZH (Low Smoke Zero Halogen)
Jacket color	White
Cable outer diameter	3 ± 0,2 mm
Weight	9,5 Kg/Km

Mechanical and environmental properties

Use	Indoor
Bend. radius (long term)	10 x outer diameter
Max. pull strength	400 N (40 kg max.)
Installation temperature	from -15°C to +50°C
Operating temperature	from -20°C to +70°C

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Reference standards

Cables and optical fibers	EN 60793 EN 60794-1 ITU-T G.657.A2
Structured cabling	EN 50173-1 ISO/IEC 11801 ANSI/TIA 568.3-D

Fire behavior

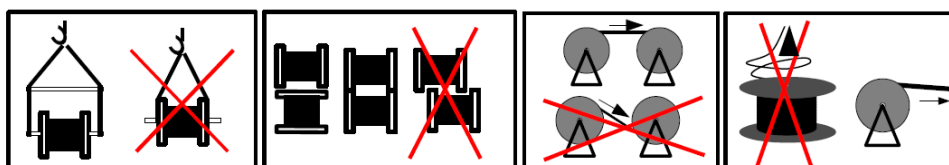
CRP regulation	EN 50575 Euroclass Cca s1a,d0,a1
Fire reaction	EN 60332-1-2; EN 50399
Smoke density	EN 61034-1/2
Acid gas emission	EN 60754-1/2

Optical cables suitable for single or bundle installations in areas with major risk in case of fire (where the use of cables in Euroclass Cca s1b,d1,a1 or higher is required).

Packaging

Drum	1000 or 2000 mt $\pm$ 5%
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Recommendations of use



Code	2008491
Description	Drop cable Tight Buffered, 1 FO 9/125 G.657.A2, LSZH jacket, Cca

SINGLE-MODE OPTICAL FIBER SPECIFICATIONS

<i>Optical fiber type</i>	<i>9/125 OS2 (ITU G.657.A2)</i>
Cladding diameter	125 ± 0,7 µm
Cladding Non-Circularity	≤ 0,7%
Concentricity error core/cladding	≤ 0,5 µm
Concentricity error cladding/coating	≤ 12 µm
Attenuation λ=1310 nm	≤ 0,34 dB/Km
Attenuation λ=1550 nm	≤ 0,20 dB/Km
Attenuation λ=1625 nm	≤ 0,24 dB/Km
Group Index @ 1310 nm	1,467
Group Index @ 1550 nm	1,467
Cable cut-off wavelength	λ _{cc} ≤ 1260 nm
Zero-dispersion wavelength λ ₀	1300-1324 nm
Slope at λ ₀	S ₀ ≤ 0,092 ps/(nm ² · Km)
Mode field diameter @ 1310 nm	9,2 ± 0,4 µm
Mode field diameter @ 1550 nm	9,8 ± 0,5 µm
PMD	≤ 0,04 ps/√Km
Macrobending 10 turns, 15 mm, @ 1,550 nm	≤ 0,03 dB
Macrobending 10 turns, 15 mm, @ 1,625 nm	≤ 0,1 dB
Macrobending 1 turn, 10 mm, @ 1,550 nm	≤ 0,1 dB
Macrobending 1 turn, 10 mm, @ 1,625 nm	≤ 0,2 dB
Macrobending 1 turn, 7.5 mm, @ 1,550 nm	≤ 0,5 dB

Optical fibers are fully compliant with IEC/EN 60793-1, IEC/EN 60793-2, EN 50173 and ISO/IEC 11801