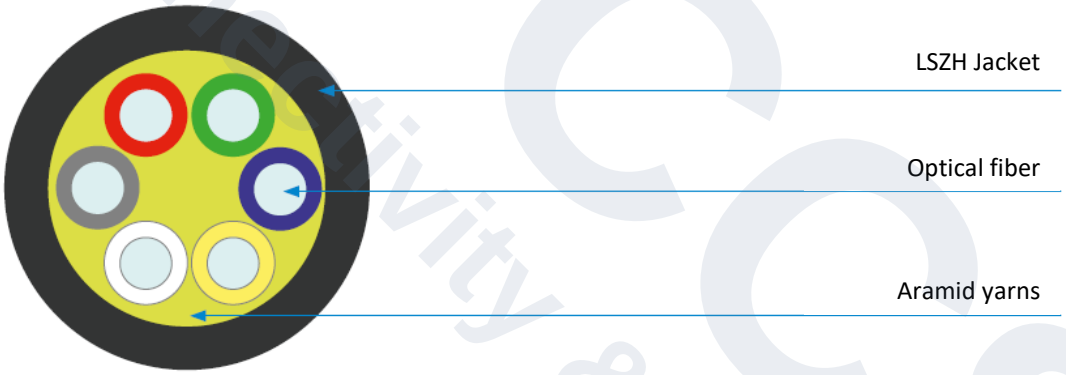
Cable type	**J/A-N(ZN)H**
Description	**Drop cable, 4-12 OF, LSZH jacket, Eca**

J/A-N(ZN)H

Indoor DROP optical cables containing singlemode fibres 9/125 G.657.A2 Bend Insensitive with 250µm primary coating, filler in aramidic yarns that guarantee excellent tensile strength, flame retardant LSZH (Low Smoke Zero Halogen) jacket, Euroclass Eca. They are suitable for FTTH (Fiber To The Home) applications.



* jacket color is indicative

Constructive characteristics

Cores	Fibers put in filler yarns
Filler protection	Aramid yarns
Optical fiber type	Single-mode 9/125 type G,657.A2 Bend Insensitive
Outer jacket material	LSZH (Low Smoke Zero Halogen)
Jacket color	Yellow
Armour	Dielectric
Cable outer diameter	from 3 to 3,4 mm
Nominal weight	from 11 to 13 Kg/Km
Marking	CCs by Qubix - “product code” - FO Cable J/A –N(ZN)H - “1xn FO” - “fiber type” - LSZH jacket - meters - lot - FID - Euroclass Eca - n° DOP

Mechanical and environmental properties

Use	Indoor
Bend. radius (installation)	12 x outer diameter
Bend. radius (long term)	10 x outer diameter
Max. pull strength	1000 N (100 kg max.)
Crush resistance	1000 N/dm
Installation temperature	from -5°C to +50°C
Operating temperature	from -20°C to +60°C

Cable type	**J/A-N(ZN)H**
Description	**Drop cable, 4-12 OF, LSZH jacket, Eca**

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 Eca
Fire reaction	IEC 60332-1-2; IEC 60332-3-22
Smoke density	IEC 61034-1/2
Acid gas emission	IEC 60754-1/2

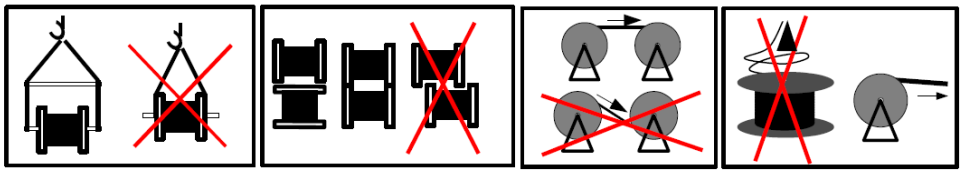
Packaging

Drum	2000 mt ± 5%

Reference codes

Cores number	4	8	12
Cod.	2008451	2008452	2008453

Recommendations of use



Cable type	**J/A-N(ZN)H**
Description	**Drop cable, 4-12 OF, LSZH jacket, Eca**

SINGLE-MODE OPTICAL FIBER SPECIFICATIONS

Optical fiber type	***9/125 OS2 (ITU G.657.A2)***
Cladding diameter	125 ± 0,7 µm
Primary coating diameter	242 ± 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	≤ 0,35 dB/Km
Attenuation λ=1550 nm	≤ 0,30 dB/Km
Attenuation λ=1625 nm	≤ 0,40 dB/Km
Group Index @ 1310 nm	1,467
Group Index @ 1550 nm	1,467
Cable cut-off wavelength	$\lambda_{cc} \leq 1260$ nm
Zero-dispersion wavelength λ_o	1300-1324 nm
Slope at λ_o	$S_o \leq 0,092$ ps/(nm^2·Km)
Mode field diameter @ 1310 nm	8,8 ± 0,4 µm
Mode field diameter @ 1550 nm	9,8 ± 0,5 µm
PMD	≤ 0,1 ps/√Km
Tensile Proof Test	100 kpsi (0.7 GPa)
Coating strip force	1,2 N ≤ CSF ≤ 8,9 N
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
Macrobending 1 turn, 7.5 mm, @ 1,625 nm	≤ 1,0 dB

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