



Not to scale

Cable Structure	
- Cable Diameter	4,5 ± 0,1
-Inner Sheath Diameter	2,6 ± 0,1mm
- Cable Weight	20 ± 10% kg/km
- Tight Buffer	
-Material	UV Stabilized LSZH - FR
-Diameter	0,9 ± 0.05 mm
- Peripheral Strength Member	
-Material	High Modulus Aramid yarns
- Tight , Inner & Outer Sheath Material	LSZH- FR(IEC 60332-1)

Cable Identification	
Fiber Color	Natural
Tight Buffer Color	White
Outer Sheath Color	Grey Ral 7001
Cable Printing	UPCOM -1F DROP U-V-H(ZN)-H - OPF01OR - CAVO OTTICO - TOL1 1(1G.657A2/KM)/KM/KM - OPEN FIBER - Order n°- m/y - Cca-s1a,d0,a1 metermarking

- Mechanical Properties			
- Tebnsile force			
• Short Term	N	300	IEC 60794-1-2-E1
• Long Term		600	
- Minimum bending Radius	mm	7,5	IEC 60794-1-2-E11
- Crush	N/10cm	500	IEC 60794-1-2-E3
-- Impact Wp= 2 J	-	100	IEC 60794-1-2 E4
- Repeated Bending			
• r= 25 mm / 0,25 kg	-	5000	IEC 60794-1-2 E6
• r= 30 mm / 1 kg			
- Flame Propagation	-	-	IEC 60332-1-2
- Temperature Range			
• Opertaion	°C	-25 °C + 70 °C	IEC 61300-2-22
• Installation		-10°C + 60 °C	
• Storage & Transport		-25 °C + 70 °C	

- Delivery Information	
- Drum Type	Plywood
- Drum length/Tolerance	2000 m +/-5%
- Drum size - 1 Pallet	W35xL50xH50 16 Drums - 32km - 750kg

Optical Fiber Characteristics

ITU-T G.657 A2/B2 SM					
GEOMETRY	Unit	Value			
Core Diameter	µm.	8.6 ± 0.5			
Cladding dia. & Tolerance	µm.	125.0 ± 0.7			
Core / Cladding Unconcentricity Error	%	≤ 0.5			
Cladding Ovality	µm.	≤ 0.7			
Coating Diameter	µm.	242 ± 7			
Coating / Cladding Unconcentricity Error	µm.	≤ 12			
Optical Characteristics					
MFD (Mode Field diameter)	µm.				
1310nm	µm.	8.5 - 9.3			
1550nm	µm.	9.4 - 10.4			
1625nm	µm.	9.7 - 10.7			
Attenuation					
1310nm	dB/km	0.35			
1550nm	dB/km	0.20			
1625nm	dB/km	0.21			
Macrobending Loss	dB	Mandrel wrap	r (mm)	Wavelength	Attenuation dB
		10	15	1550	≤ 0.03
		10	15	1625	≤ 0.1
		1	10	1550	≤ 0.1
		1	10	1625	≤ 0.2
		1	7,5	1550	≤ 0.5
1	7,5	1625	≤ 1.0		
Cut-off Wavelength (λ _c)	nm	≤ 1280			
CD Coefficient	nm	λ ₀ min 1300			
	nm	λ ₀ max 1324			
	ps/nm ² *km	≤ 0.092			
PMD Coefficient	ps/km ^{1/2}	Max 0.08			
PMD Coefficient (cabled fiber)	ps/km ^{1/2}	Max 0.15			