



- <b>Cable Construction</b>				
- Number of fibers	4	6	8	12
- Loose Tubes	PBT 3,00 mm $\pm$ 3% Thixotropic jelly			
Material				
Outer Diameter				
Type of filling compound				
- Peripheral Strength Member	Swellable Glass Yarn / Aramid Yarn			
Material				
- Outer Sheath	HDPE 0,8 mm $\pm$ 0,1			
Material				
Thickness				
- Cable diameter	5,8 mm $\pm$ 0,2			
- Cable weight	28 kg/km $\pm$ 10%			

- <b>Mechanical characteristics</b>			(All optical measurements at 1550 nm)
Test	Test Standard	Specified Value	Acceptance Criteria
- Tensile Force Short Term / Installation Long Term / Operation	IEC 60794-1-2-E1	Max. 1000 N Max. 700 N	$\Delta\alpha$ reversible, fiber strain $\leq$ 0,5 % $\Delta\alpha \leq$ 0,05 dB, fiber strain $\leq$ 0,33 %
- Cable Bend	IEC 60794-1-2-E11	R= 20 x D, 4 turns, 3 cycles	$\Delta\alpha \leq$ 0,05 dB, no damage
- Impact	IEC 60794-1-2-E4	3 Nm, 3 impacts at different points, R= 300 mm,	$\Delta\alpha \leq$ 0,05 dB after the test
- Repeated bending	IEC 60794-1-2-E6	R= 20 x D, 30 N load, 30 cycles	No damage
- Crush Resistance	IEC 60794-1-2-E3	Max. 1000 N/100 mm.	$\Delta\alpha \leq$ 0,05 dB, no damage

<b>- Environmental Characteristics</b>			(All optical measurements at 1550 nm)
Test	Test Standard	Specified Value	Acceptance Criteria
- Water penetration	IEC 60794-1-2-F5B	3 meter specimen, 1 m water altitude	No leaked from the opposite end of the cable in 24 hours.
- Temperature cycling	IEC 60794-1-2-F1	-30 to + 70 °C	$\Delta\alpha \leq 0,05$ dB/km

<b>- Identification</b>	
- Cable Marking	1m $\pm$ 1% Intervals in white color with hot foil or ink-jet print.
- Identification of cable <sup>1</sup>	CENKABLO <year of manufacture> <number of fibers> FO <type of fibers> <length marking in meter>
- Color of outer sheath <sup>2</sup>	Black
- Color of buffer tube <sup>2</sup>	Natural
- Color of fibers <sup>2</sup>	1. Blue 2. Orange 3. Green 4. Brown 5. Green 6. White 7. Red 8. Black 9. Yellow 10. Violet 11. Pink 12. Turquoise

<sup>1</sup> This inscription is standard imprint. It can be changed according to request.

<sup>2</sup> The other tube, fiber and sheath colors are optional.

<b>- Delivery Information</b>	
- Drum length/Tolerance <sup>1</sup>	4000 m $\pm$ 5%
- Drum Flange diameter <sup>1</sup>	900 mm
- Drum core diameter <sup>1</sup>	580 mm
- Outside width <sup>1</sup>	520 mm
- Central hole diameter	85 mm

<sup>3</sup> Drum dimensions can change depends on cable length on a drum. Standard delivery length is 4 km. Other delivery lengths are optional.

<b>- Transmission characteristics</b>
-Refer to fiber data