



-Not to scale-

- Cable Construction				
- Number of fibers	4	6	8	12
- Loose Tubes				
Material	PBT			
Outer Diameter	3,00 mm \pm 3%			
Type of filling compound	Thixotropic jelly			
- Peripheral Strength Member				
Material	Glass yarn			
- Outer Sheath				
Material	MDPE			
Thickness	0,8 mm (nominal)			
- Cable diameter	5,8 mm \pm 0,2			
- Cable weight	28 kg/km			

- Mechanical characteristics				(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. 700 N Max. 200 N	$\Delta\alpha$ reversible, fiber strain \leq 0,33 % $\Delta\alpha \leq$ 0,05 dB, no fiber strain	
- 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	5 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. 300 N/100 mm.	$\Delta\alpha \leq$ 0,05 dB, no damage	

- Environmental Characteristics			(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

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

- Delivery Information	
- Drum length/Tolerance ¹	2000 m \pm 5%
- Drum Flange diameter ¹	800 mm
- Drum core diameter ¹	580 mm
- Outside width ¹	520 mm
- Central hole diameter	85 mm

¹ Drum dimensions can change depends on cable length on a drum. Standard delivery length is 2 km. 4km and 6 km/drum are optional.

- Transmission characteristics
-Refer to fiber data