



<b>Cable Construction</b>	
- Number of fibers	4 to 24
- Number of loose tubes	1 central tube
- Loose tube	
-Material	PC+PBT
-Diameter	3,0 ± 3% mm
-Type of filling compound	Thixotropic jelly
- Peripheral strength member	
- Material	Glass yarn
- Inner Sheath	
- Material	LDPE
- Thickness	1,0 mm (nominal)
- Armor & rodent protection	
-Material	Corrugated steel tape
- Outer Sheath	
- Material	HDPE
- Thickness	1,3 mm (nominal)
- Cable diameter	10,0 mm ± 0,2
- Cable weight (approx.)	105 kg/km ± 10%

<b>- Mechanical characteristics</b>		
<b>Test</b>	<b>Test Standard</b>	<b>Specified Value</b>
- Tensile Force Installation	IEC 60794-1-2-E1	Max. 1000 N
- Crush Resistance	IEC 60794-1-2-E3	Max. 3000 N/100 mm.
- Impact	IEC 60794-1-2-E4	10 Nm
- Repeated bending	IEC 60794-1-2-E6	R= 20 x D, 10 N load, 30 cycles
- Torsion	IEC 60794-1-2-E7	5 cycles $\pm$ 1 turn
- Cable Bend With load Without load	IEC 60794-1-2-E11	20xD mm 15xD mm (D: Cable diameter)

<b>- Environmental Characteristics</b>		
<b>Test</b>	<b>Test Standard</b>	<b>Specified Value</b>
- Water penetration	IEC 60794-1-2-F5B	3 meter specimen, 1 m water altitude, 24 hours.
- Temperature cycling	IEC 60794-1-2-F1	Storage and installation -40 to + 70 °C, Operation -30 to + 70 °C $\Delta$ dB $\leq$ 0.2 dB/km for SM fibers and $\Delta$ dB $\leq$ 0.5 dB/km for MM fibers.

<b>- Identification</b>	
- Cable Marking	1m $\pm$ 1% Intervals in white color with hot print.
- Identification of cable <sup>1</sup>	CENKABLO <year of manufacture> <number of fibers> FO <type of fibers> <length marking in meter>
- Color of loose tube <sup>2</sup>	Natural
- Color of fibers <sup>2</sup>	1. Red, 2. Green, 3. Yellow, 4. Blue, 5. White, 6. Violet, 7. Orange, 8. Black, 9. Grey, 10. Brown, 11. Pink, 12. Turquoise, 13. Red/1stripe, 14. Green/1stripe, 15. Yellow/1stripe, 16. Blue/1stripe, 17. White/1stripe, 18. Violet/1stripe, 19. Orange/1stripe, 20. Natural/1stripe, 21. Grey/1stripe, 22. Brown/1stripe, 23. Pink/1stripe, 24. Turquoise/1stripe
- Color of outer sheath <sup>2</sup>	Black

<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>3</sup>	2000 m $\pm$ 5%
- Drum Flange diameter <sup>3</sup>	1000 mm
- Drum core diameter <sup>3</sup>	580 mm
- Outside width <sup>3</sup>	780 mm
- Central hole diameter	85 mm

<sup>3</sup> Drum dimensions can change depends on cable length on a drum. Standard delivery length is 2 km. Other delivery lengths are optional.

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