



Cable Construction						
- Number of fibers	6	12	18	24	30	36
- Number of loose tubes x Number of fibers per tube	1x6	2x6	3x6	4x6	5x6	6x6
- Central strength member						
- Diameter (mm)	2,2 ± 0,05					
- Material	FRP					
- CSM Oversheathing diameter (mm)	---					
- Loose tube						
-Material	PBT					
-Diameter (mm)	2.15 ± 3%					
-Type of filling compound	Thixotropic jelly					
- Filler (if required)						
-Material	PE					
- Flooding compound						
-Material	Petroleum gel					
- Core wrapping						
-Material	Polyester tape					
- Peripheral strength member						
-Material	Kevlar					
- Outer Sheath						
- Material	MDPE					
- Thickness (mm)	1,5 (nominal)					
- Cable diameter (mm)	10,2 ± 0,2					
- Cable weight (approx.) (kg/km)	88					

- Mechanical characteristics (All optical measurements at 1550 nm)			
Test	Test Standard	Specified Value	Acceptance Criteria
- Max. Tensile Force Installation Operation	IEC 60794-1-2-E1	2700 N 1500 N	$\Delta\alpha$ reversible $\Delta\alpha = <0,05$ dB
- Cable Bend	IEC 60794-1-2-E11	R= 20 x D, 4 turns, 3 cycles	$\Delta\alpha = <0,05$ dB, no damage
- Impact	IEC 60794-1-2-E4	3 Nm, 3 impacts at different points, R= 10 mm,	$\Delta\alpha = <0,05$ dB, no damage on tubes
- Repeated bending	IEC 60794-1-2-E6	R= 20 x D, 20 N load, 30 cycles, t \leq 2 min/10 cycles	No damage
- Crush Resistance	IEC 60794-1-2-E3	Max. 2500 N/100 mm.	$\Delta\alpha = <0,05$ dB, no damage

- Environmental Characteristics			
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	$\Delta\alpha = <0,05$ dB/km at 1550 nm

- Identification	
- Cable Marking	1m \pm 1% Intervals in white color with hot print.
- Identification of cable ¹	<number of fibers> F <fiber type> CENKABLO <year of manufacture> <length marking in meter>
- Color of filler	Black
- Color of loose tube ²	1.Red, 2.Green, Others: Natural
- Color of fibers	1. Red, 2.Green, 3.Yellow, 4.Blue, 5.White, 6.Violet
- Color of outer sheath	Black

¹This inscription is standard imprint. It can be change according to request.

²The other tube and fiber colors are optional.

- Delivery Information	
-Number of fibers	6 to 36
- Drum length/Tolerance ³ (m)	2000 \pm 5%
- Drum Flange diameter ³ (mm)	900
- Drum core diameter ³ (mm)	500
- Outside width ³ (mm)	780
- Central hole diameter (mm)	85

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

- Transmission characteristics	
-Refer to fiber data	