



Cable Construction					
- Number of fibers	12-60				
- Number of loose tubes x Number of fibers per tube	1x12	2x12	3x12	4x12	5x12
- Loose tube					
- Material	PC + PBT				
- Diameter	2,5 ± 3 mm				
- Type of filling compound	Thixotropic Jelly				
- Central Strength Member					
- Material	GFRP				
- Diameter	2,0 ± 0,05 mm				
- With swellable yarn diameter	2,1± 0,05 mm				
- Filler (if required)					
- Material	PE				
- Peripheral Strength Member					
- Material	Glass yarn with water- blocking tape				
- Outer Sheath					
- Material	HDPE				
- Thickness	1,5 mm (nominal)				
- Cable diameter	10,8 ± 0.2 mm				
- Cable weight (approx.)	84 kg/km ± 10%				

- Mechanical characteristics		
Test	Test Standard	Specified Value
- Tensile Force Long Term Short Term	IEC 60794-1-2-E1	Max. 1600 N Max. 2700 N
- Cable Bend	IEC 60794-1-2-E11	R= 160 mm
- Impact	IEC 60794-1-2-E4	3 J
-Torsion	IEC 60794-1-2-E7	Load 50 N
- Crush Resistance	IEC 60794-1-2-E3	Max 220 N/dm

- Environmental Characteristics		
Test	Test Standard	Specified Value
- Water penetration	IEC 60794-1-2-F5B	3 meter specimen, 1 m water altitude, 24 hours
- Temperature cycling Operation Storage Installation	IEC 60794-1-2-F1	-40 to + 70 °C -40 to + 80 °C -30 to + 70 °C

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

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

² The other tube, fiber and sheath colors are optional.

- Delivery Information³	
- Drum length/Tolerance	4000 m ± 5 %
- Drum Flange diameter	1250 mm
- Drum core diameter	580 mm
- Outside width	780 mm
- Central hole diameter	85 mm

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

- Transmission Characteristics	
- Refer to fiber data	