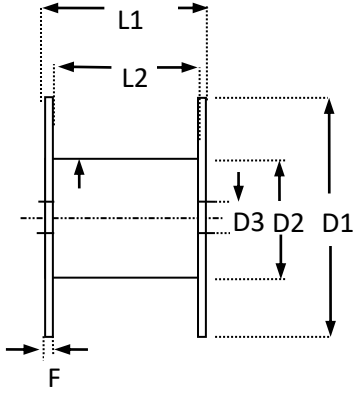


<b>Cable Construction</b>					
Number of Fiber	24	48	72	96	144
Number of Loose Tubes X	2	4	6	8	12
Number of Fibers Per Tube			12		
Number of Fillers	4	2	-	-	-
<b>Central Strength Member</b>					
Diameter	2.6 ± 0.05				3.0 ± 0.05
Material	FRP				
CSM Over sheathing Diameter	-			5.4 ± 0.05	7.5 ± 0.05
<b>Loose Tube</b>					
Material	PC+PBT & PBT				
Diameter	2.5 ± 3% mm				
Type of Filing Compound	Thixotropic Jelly				
<b>Core Flooding Compound</b>					
Material	Petroleum Gel				
<b>Filler (if required)</b>					
Material	PE				
<b>Core Wrapping</b>					
Material	Polyester Tabe				
<b>Inner Sheath</b>					
Material	HDPE				
Thickness(mm)	0.8				
Diameter of Inner Sheath(mm)	9.7				
<b>Peripheral Strength Member</b>					
Material	Aramid Yarn				
<b>Outer Sheath</b>					
Material	HDPE				
Thickness(mm)	1.2 ± 0.1				
<b>Cable Diameter</b>					
	12.7 ± 0.02			14.5 ± 0.02	16.8 ± 0.02

Mechanical Characteristics			
Test	Test Standard	Specified Value	Acceptance Criteria
Tensile Force Installation Operation	IEC 60794-1-2-E1	Max 4500 N Max 7500 N	$\Delta\alpha$ reversible, fiber strain $\leq$ 0,5 % $\Delta\alpha \leq$ 0,05 dB, fiber strain $\leq$ 0,33 %
Crush Resistance	IEC 60794-1-2-E3	Max. 3000 N/100 mm	$\Delta\alpha \leq$ 0,05 dB, no damage
Impact	IEC 60794-1-2-E4	5 Nm, 3 impacts at different points, R= 10 mm	$\Delta\alpha \leq$ 0,05 dB after the test
Repeated Bending	IEC 60794-1-2-E6	R= 20 x D, 30 Nload, 30 cycles	No damage
Cable Bending radius(min)	IEC 60794-1-2-E11	R= 20 x D, 4 turns, 3 cycles	$\Delta\alpha \leq$ 0,05 dB, no damage
Environmental Characteristics			
Test	Test Standart	Specified Value	
Temperature Cycling	IEC 60794-1-2-F1	-30 to + 70 °C,	$\Delta$ dB $\leq$ 0.5 dB/km for MM fibers.
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.

Identification			
Cable Marking	1m $\pm$ 1% Intervals in whitecolorwith hot print.		
Identification of Cable	<number of fibers> F <fiber type> CENKABLO <year of manufacture><lengthmarking in meter>		
Color of Loose Tube (IEC)			
1.RED	2.GREEN	3.BLUE	4.YELLOW
5. WHITE	6.GREY	7.BROWN	8.VIOLET
9.TURQUOISE	10.BLACK	11.ORANGE	12.PINK
Color of Fibers (IEC)			
1.RED	2.GREEN	3.BLUE	4.YELLOW
5. WHITE	6.GREY	7.BROWN	8.VIOLET
9.TURQUOISE	10.BLACK	11.ORANGE	12.PINK



Delivery Information			
Number of Fibers	12-72	96	144
Drum length/Tolarance <sup>3</sup> (m)	2000 m ± 5%		
Drum Flange Diameter <sup>3</sup> (mm) (D1)	1100	1200	1300
DrumCore Diameter <sup>3</sup> (mm) (D2)	580		
Outside Width <sup>3</sup> (mm) (L1)	780		
Central Hole Diameter(mm) (D3)	85		