



-Not to scale-

Cable Construction				
- Number of fibers	4	6	8	12
- Number of loose tubes x Number of fibers per tube	1 Central tube			
- Loose tube				
-Material	PBT			
-Diameter (mm)	3.0 ± 3%			
-Type of filling compound	Thixotropic jelly			
- Peripheral strength member				
-Material	Glass yarn			
- Outer Sheath				
- Material	LSZH			
- Thickness (mm)	0.8 (nominal)			
- Cable diameter (mm)	5.8 ± 0,2			
- Cable weight (approx.) (kg/km)	28			

Flexi I (A- DQ(ZN) H)
4 - 12 FIBERS CENTRAL TUBE INDOOR/OUTDOOR TYPE
F.O. CABLE TECHNICAL SPECIFICATIONS

- Mechanical characteristics			
Test	Test Standard	Specified Value	Acceptance Criteria
- Max. Tensile Force Installation Operation	IEC 60794-1-2-E1	Max 700N Max 200N	$\Delta\alpha$ 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	5 Nm, 3 impacts at different points, R= 300 mm,	$\Delta\alpha = <0,05$ dB, no damage on tubes
- Repeated bending	IEC 60794-1-2-E6	R= 20 x D, 10 N load, 30 cycles, $t \leq 2$ min/10 cycles	No damage
- Crush Resistance	IEC 60794-1-2-E3	Max. 3000 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	-20 to + 70 °C	$\Delta\alpha = <0,05$ dB/km

- Identification	
- Cable Marking	1m \pm 1% Intervals in white color with hot print.
- Identification of cable	<cable type> CENKABLO <year of manufacture> <length marking in meter>
- Color of loose tube	Natural
- Color of fibers	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 outer sheath	Black

- Delivery Information	
-Number of fibers	4 to 12
- Drum length/Tolerance ¹ (m)	2000 \pm 5%
- Drum Flange diameter ¹ (mm)	800
- Drum core diameter ³ (mm)	580
- Outside width ¹ (mm)	520
- Central hole diameter (mm)	85

¹Drum 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	