



Cable Construction		
- Number of fibers	4 to 12	24
- Number of loose tubes	1 central tube	
- Loose tube	LSZH	
-Material		
-Diameter	2,5 ± 3% mm	3,0 ± 3% mm
-Thickness of PC layer	0,250 mm ± 3%	0,40 mm ± 3%
-Thickness of PB layer	0,100 mm ± 3%	
-Type of filling compound	Water swellable yarn	
- Peripheral strength member	Glass yarn	
- Material		
-Thickness of glass yarn	0,33 mm ± 3%	0,30 mm ± 3%
- Armor & rodent protection	Corrugated steel tape	
-Material		
-Thickness of corrugated steel tape	0,75 mm ± 3%	
- Outer Sheath	UV stabilized LSZH-FR Compound	
- Material		
- Thickness	1,4 mm (nominal)	
- Cable diameter	7,9 mm ± 0,2	
- Cable weight (approx.)	80 kg/km ± 10%	

- Mechanical characteristics		
Test	Test Standard	Specified Value
- Tensile Force Installation	IEC 60794-1-2-E1	Max. 700 N
- Crush Resistance	IEC 60794-1-2-E3	Max. 1500 N/100 mm.
- Impact	IEC 60794-1-2-E4	3 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 ± 1 turn
- Cable Bend With load Without load	IEC 60794-1-2-E11	20xD mm 15xD mm (D: Cable diameter)

- Environmental Characteristics		
Test	Test Standard	Specified Value
- Temperature cycling	IEC 60794-1-2-F1	Storage and installation -30 to + 70 °C, Operation -40 to + 70 °C $\Delta dB \leq 0.2$ dB/km for SM fibers and $\Delta dB \leq 0.5$ dB/km for MM fibers.

- Identification	
- Cable Marking	1m \pm 1% Intervals in white color with hot print.
- Identification of cable ¹	No name
- Color of loose tube ²	Natural
- Color of fibers ²	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 ²	Blue RAL 6015 or Black RAL 9005

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

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

- Delivery Information	
- Drum length/Tolerance ³	2000 m \pm 5%
- Drum Flange diameter ³	900 mm
- Drum core diameter ³	500 mm
- Outside width ³	780 mm
- Central hole diameter	85 mm

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

- Transmission characteristics
-Refer to fiber data