

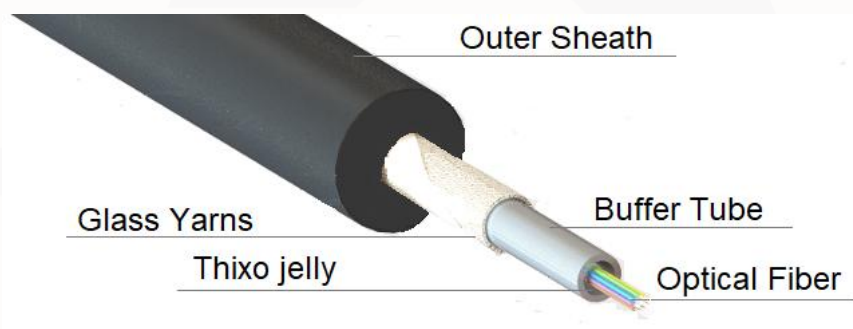
FIBER OPTIC CABLE

24 FIBERS CENTRAL TUBE IND/OUT TYPE NONMETALLIC ARMORED F.O. CABLE LSZH - Dca



Description

ORCA Optical fiber is used as a physical transmission medium for data communication to provide support for network equipment; supports multiple wavelength channels, in four wavelength SWDM4 or dual wavelength BiDi technology. Ready for 400G Base-SRx in hi-speed datacenter application.



Cable Construction

Number of fibers	4(*)	6(*)	8(*)	12(*)	24
Loose Tubes					
Outer Diameter		2,50 mm ± 3%			3,00mm ± 3%
Material		PC+PBT			
Thickness of PC layer		0,250 mm ± 3%			0,40mm ± 3%
Thickness of PB layer		0,100 mm ± 3%			
Type of filling compound		Thixotropic Jelly			
Peripheral Strength Member					
Material		Glass yarn			
Thickness of glass yarn		0,5mm ± 3%			0,45mm ± 3%
Outer Sheath					
Material		UV stabilized LSZH-FR compound			
Thickness		1,00 mm ± 0,1			
Cable diameter	4(*)	6(*)	8(*)	12(*)	24
		5,9 mm ± 0,2			6,1 mm ± 0,2
Cable weight		35±10% kg/km			38±10% kg/km

(*) on request only, a stock 24 fibers version

agg. 06/2025

Mechanical characteristics

Test	Test Standard	Specified Value
Tensile Force	IEC 60794-1-2-E1	1000 N
Crush Resistance	IEC 60794-1-2-E3	Max. 200 N/cm
Impact	IEC 60794-1-2-E4	1,5 Nm
Repeated bending	IEC 60794-1-2-E6	R= 30mm, 100 N load, 1000 cycles
Torsion	IEC 60794-1-2-E7	Load 100N
Cable Bend	IEC 60794-1-2-E11	50 mm

Environmental Characteristics

Test	Test Standard	Specified Value
Temperature cycling	IEC 60794-1-2-F1	Storage -40 to + 70 °C
		Installation -10 to + 50 °C
		Operation -20 to + 60 °C

Identification

Cable Marking	1m ±1% Intervals in white color with hot foil or ink-jet print
Identification of cable (1)	<ORCA code> <year of manufacture> <number of fibers> FO <type of fibers> CPR Class <...> <length marking in meter>
Color of loose buffer tube (2)	Natural
- Color of fibers IEC 304 (2)	1. Red, 2. Green, 3. Blue, 4. Yellow, 5. White, 6. Grey, 7. Brown, 8. Violet, 9. Turquoise, 10. Black,, 11. Orange, 12. Pink, 13. Red I, 14. Green I, 15. Blue I, 16. Yellow I, 17. White I, 18. Grey I, 19. Brown I, 20. Violet I, 21. Turquoise I, 22. Black I, 23. Orange I, 24. Pink I.
- Color of outer sheath (2)	Yellow RAL 1018 for OS2 Fibers, Orange RAL 2008 for OM1 & OM2 fibers Turquoise RAL 6027 for OM3 & OM4 MM fibers Erica Violet RAL 4003 for OM4 MM fibers

(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)	4000 m ± 5%
- Drum Flange diameter (3)	900 mm
- Drum core diameter (3)	580 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 4 km.
Other delivery lengths are optional.

Transmission characteristics

Refer to core fiber data

Ordering Information code:

OC-CVF-111113-24	ORCA - Opt. Cable loose diel. antird. 24 f.o. 09/125um OS2 - LSZH(Ye) CPR Class Dca (S2-D1)
OC-CVF-111111-24	ORCA - Opt. Cable loose diel. antird. 24 f.o. 50/125um OM2 LSZH(Or)- CPR Class Dca (S2-D1)
OC-CVF-111114-24	ORCA - Opt. Cable loose diel. antird. 24 f.o. 50/125um OM3 LSZH(Aq) - CPR Class Dca (S2-D1)
OC-CVF-111115-24	ORCA - Opt. Cable loose diel. antird. 24 f.o. 50/125um OM4 - LSZH(Aq) - CPR Class Dca (S2-D1)
OC-CVF-111119-24	ORCA - Opt. Cable loose diel. antird. 24 f.o. 50/125um OM4 - LSZH(Er) - CPR Class Dca (S2-D1)

OC-CVF-111112-24 ORCA - Opt. Cable loose diel. antird. 24 f.o. 62,5/125um OM1 - LSZH (Or) - CPR Class Dca (S2-D1)*
* (no longer available, on request...)