

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
Cable weight	5,9 mm ± 0,2			6,1 mm ± 0,2	
	35±10% kg/km			38±10% kg/km	

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

Specifications subject to change without prior notice - For more details please visit www.orca.it

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 0 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> <length marking in meter>
Color of loose buffer 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 I, 14. Green I, 15. Yellow I, 16. Blue I, 17. White I, 18. Violet I, 19. Orange I, 20. Natural I, 21. Grey I, 22. Brown I, 23. Pink I, 24. Turquoise 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,

(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-111111-24	ORCA - Optical Cable loose diel. antird. 24 f.o. 50/125um OM2 LSZH - CPR Class Dca (S2-D1)
OC-CVF-111114-24	ORCA - Optical Cable loose diel. antird. 24 f.o. 50/125um OM3 LSZH - CPR Class Dca (S2-D1)
OC-CVF-111115-24	ORCA - Optical Cable loose diel. antird. 24 f.o. 50/125um OM4 - LSZH - CPR Class Dca (S2-D1)
OC-CVF-111112-24	ORCA - Optical Cable loose diel. antird. 24 f.o. 62,5/125um OM1 - LSZH - CPR Class Dca (S2-D1)
OC-CVF-111113-24	ORCA - Optical Cable loose diel. antird. 24 f.o. 09/125um OS2 - LSZH - CPR Class Dca (S2-D1)