

FIBER OPTIC CABLE

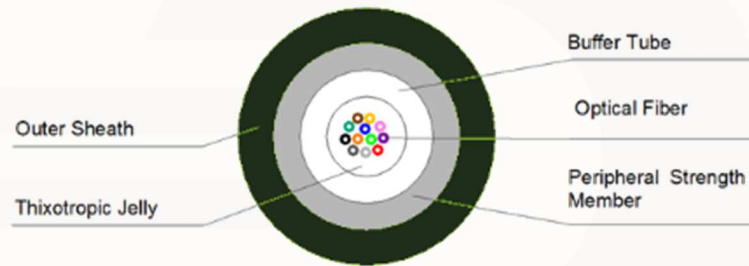


# 4-24 FIBERS CENTRAL TUBE HDPE OUTDOOR TYPE NONMETALLIC ARMORED F.O. CABLE



## 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.



### Cable Construction

	4	6	8	12	(24)
Number of fibers	4	6	8	12	(24)
<b>Loose Tubes</b>					
Outer Diameter	2,50 mm ± 3%			(3,00 mm ± 3%)	
Material	PC+PBT				
Thickness of PC layer	-				
Thickness of PB layer	-				
Type of filling compound	Thixotropic Jelly				
<b>Peripheral Strength Member</b>					
Material	Glass yarn				
Thickness of glass yarn	-				
<b>Outer Sheath</b>					
Material	HDPE				
Thickness	1,00 mm ± 0,1				
Cable diameter	4	6	8	12	(24)
Cable weight	5,5 mm ± 0,2			(5,9 mm ± 0,2)	
	25±10% kg/km			(30±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](http://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> CPR Class <...> <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/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 Yellow RAL 1018 for OS2 Fibers, Gray RAL 7004 for OM1 fibers Orange RAL 2008 for OM1 & OM2 fibers Turquoise RAL 6027 for OM3 & OM4 MM fibers,
- Color of outer sheath (2)	

(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:****OM1 62,5/125**

OC-CVF-112112-04	ORCA - Optical Cable Loose diel. antird. outdoor 4 f.o. OM1 62,5/125um PE
OC-CVF-112112-08	ORCA - Optical Cable Loose diel. antird. outdoor 8 f.o. OM1 62,5/125um PE
OC-CVF-112112-12	ORCA - Optical Cable Loose diel. antird. outdoor 12 f.o. OM1 62,5/125u PE
OC-CVF-112112-24	ORCA - Optical Cable Loose diel. antird. outdoor 24 f.o. OM1 62,5/125u PE

**OM2 50/125**

OC-CVF-112111-04	ORCA - Optical Cable Loose diel. antird. outdoor 4 f.o. OM2 50/125um PE
OC-CVF-112111-08	ORCA - Optical Cable Loose diel. antird. outdoor 8 f.o. OM2 50/125um PE
OC-CVF-112111-12	ORCA - Optical Cable Loose diel. antird. outdoor 12 f.o. OM2 50/125um PE
OC-CVF-112111-24	ORCA - Optical Cable Loose diel. antird. outdoor 24 f.o. OM2 50/125um PE

**OM3 50/125**

OC-CVF-112114-04	ORCA - Optical Cable Loose diel. antird. outdoor 4 f.o. OM3 50/125um PE
OC-CVF-112114-08	ORCA - Optical Cable Loose diel. antird. outdoor 8 f.o. OM3 50/125um PE
OC-CVF-112114-12	ORCA - Optical Cable Loose diel. antird. outdoor 12 f.o. OM3 50/125um PE
OC-CVF-112114-24	ORCA - Optical Cable Loose diel. antird. outdoor 24 f.o. OM3 50/125um PE

**OM4 50/125**

OC-CVF-112115-04	ORCA - Optical Cable Loose diel. antird. outdoor 4 f.o. OM4 50/125um PE
OC-CVF-112115-08	ORCA - Optical Cable Loose diel. antird. outdoor 8 f.o. OM4 50/125um PE
OC-CVF-112115-12	ORCA - Optical Cable Loose diel. antird. outdoor 12 f.o. OM4 50/125um PE
OC-CVF-112115-24	ORCA - Optical Cable Loose diel. antird. outdoor 24 f.o. OM4 50/125um PE

**OS2 09/125**

OC-CVF-112113-04	ORCA - Optical Cable Loose diel. antird. outdoor 4 f.o. OS2 09/125um PE
OC-CVF-112113-08	ORCA - Optical Cable Loose diel. antird. outdoor 8 f.o. OS2 09/125um PE
OC-CVF-112113-12	ORCA - Optical Cable Loose diel. antird. outdoor 12 f.o. OS2 09/125 um PE
OC-CVF-112113-24	ORCA - Optical Cable Loose diel. antird. outdoor 24 f.o. OS2 09/125 um PE

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