

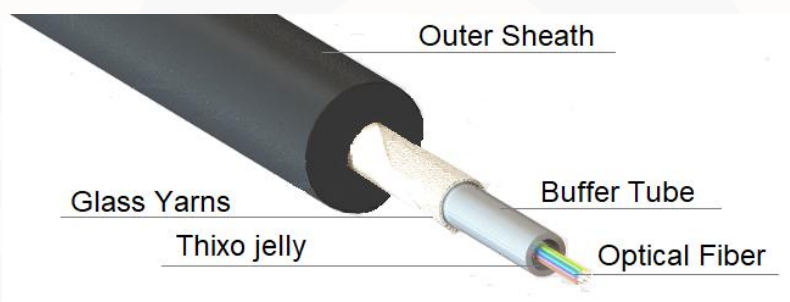


4-24 FIBERS CENTRAL TUBE HDPE OUTDOOR TYPE NONMETALLIC ARMORED F.O. CABLE



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

Number of fibers	4	6	8	12	24		
Loose Tubes		3,00 mm ± 3					
Outer Diameter							
Material	PBT						
Thickness of PC layer	-						
Thickness of PB layer	-						
Type of filling compound	Thixotropic Jelly						
Peripheral Strength Member							
Material	Glass yarn						
Thickness of glass yarn	-						
Outer Sheath							
Material	HDPE						
Thickness	1,00 mm ± 0,1						
Cable diameter	4	6	8	12	24		
	5,5 mm ± 0,2			5,9 mm ±0,2			
Cable weight	25±10% kg/km			30±10% kg/km			

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	-20 to + 50 °C
		Operation	-30 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, Gray RAL 7004 for OM1 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:

(*) OM1 62,5/125 - ORANGE

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

(*) No longer available, on request only

OM2 50/125 - ORANGE

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 - AQUA

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 - AQUA

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

OM4 50/125 - ERICA VIOLET

OC-CVF-112119-04	ORCA - Optical Cable Loose diel. antird. outdoor 4 f.o. OM4 50/125um PE
OC-CVF-112119-08	ORCA - Optical Cable Loose diel. antird. outdoor 8 f.o. OM4 50/125um PE
OC-CVF-112119-12	ORCA - Optical Cable Loose diel. antird. outdoor 12 f.o. OM4 50/125um PE
OC-CVF-112119-24	ORCA - Optical Cable Loose diel. antird. outdoor 24 f.o. OM4 50/125um PE

OS2 09/125 - YELLOW

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