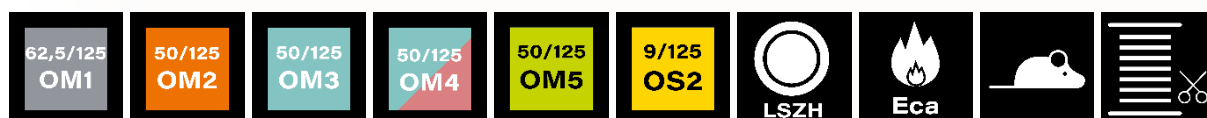


FIBER OPTIC CABLE



4-12 FIBERS CENTRAL TUBE IND/OUT TYPE NONMETALLIC ARMORED F.O. CABLE LSZH – CPR Eca



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
Loose Tubes				
Outer Diameter	2,50 mm ± 3%			
Material	PC+PBT			
Thickness of PC layer	0,250 mm ± 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	0,5 mm ± 3%			
Outer Sheath				
Material	UV stabilized LSZH-FR Compound			
Thickness	1,00 mm ± 0,1			
	4	6	8	12
Cable diameter	5,5 mm ± 0,2			
Cable weight	34±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 -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 info <...> <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, Yellow RAL 1018 for OS2 Fibers, Gray RAL 7004 for OM1 fibers
- Color of outer sheath (2)	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:**OM2 - 50/125 - ORANGE**

OC-CVF-111111-04	ORCA - Optical Cable Loose int/est diel. antird 4 f.o. 50/125um OM2 LSZH - Eca
OC-CVF-111111-06	ORCA - Optical Cable Loose int/est diel. antird 6 f.o. 50/125um OM2 LSZH - Eca
OC-CVF-111111-08	ORCA - Optical Cable Loose int/est diel. antird 8 f.o. 50/125um OM2 LSZH - Eca
OC-CVF-111111-12	ORCA - Optical Cable Loose int/est diel. antird 12 f.o. 50/125um OM2 LSZH - Eca

OM3 - 50/125 - AQUA

OC-CVF-111114-04	ORCA - Optical Cable Loose int/est diel. antird 4 f.o. 50/125um OM3 LSZH - Eca
OC-CVF-111114-06	ORCA - Optical Cable Loose int/est diel. antird 6 f.o. 50/125um OM3 LSZH - Eca
OC-CVF-111114-08	ORCA - Optical Cable Loose int/est diel. antird 8 f.o. 50/125um OM3 LSZH - Eca
OC-CVF-111114-12	ORCA - Optical Cable Loose int/est diel. antird 12 f.o. 50/125um OM3 LSZH - Eca

OM4 - 50/125 - AQUA

OC-CVF-111115-04	ORCA - Optical Cable Loose int/est diel. antird 4 f.o. 50/125um OM4 LSZH - Eca
OC-CVF-111115-06	ORCA - Optical Cable Loose int/est diel. antird 6 f.o. 50/125um OM4 LSZH - Eca
OC-CVF-111115-08	ORCA - Optical Cable Loose int/est diel. antird 8 f.o. 50/125um OM4 LSZH - Eca
OC-CVF-111115-12	ORCA - Optical Cable Loose int/est diel. antird 12 f.o. 50/125um OM4 LSZH - Eca

OM4 - 50/125 - ERICA VIOLET

OC-CVF-111119-04	ORCA - Optical Cable Loose int/est diel. antird 4 f.o. 50/125um OM4 LSZH - Eca
OC-CVF-111119-06	ORCA - Optical Cable Loose int/est diel. antird 6 f.o. 50/125um OM4 LSZH - Eca
OC-CVF-111119-08	ORCA - Optical Cable Loose int/est diel. antird 8 f.o. 50/125um OM4 LSZH - Eca
OC-CVF-111119-12	ORCA - Optical Cable Loose int/est diel. antird 12 f.o. 50/125um OM4 LSZH - Eca

OS2 - 9/125 - YELLOW

OC-CVF-111113-04	ORCA - Optical Cable Loose int/est diel. antird 4 f.o. 09/125um OS2 LSZH - Eca
OC-CVF-111113-06	ORCA - Optical Cable Loose int/est diel. antird 6 f.o. 09/125um OS2 LSZH - Eca
OC-CVF-111113-08	ORCA - Optical Cable Loose int/est diel. antird 8 f.o. 09/125um OS2 LSZH - Eca
OC-CVF-111113-12	ORCA - Optical Cable Loose int/est diel. antird 12 f.o. 09/125um OS2 LSZH - Eca

OM1 - 62,5/125 - ORANGE (*)

OC-CVF-111112-04	ORCA - Optical Cable Loose int/est diel. antird 4 f.o. 62,5/125um OM1 LSZH - Eca
OC-CVF-111112-06	ORCA - Optical Cable Loose int/est diel. antird 6 f.o. 62,5/125um OM1 LSZH - Eca
OC-CVF-111112-08	ORCA - Optical Cable Loose int/est diel. antird 8 f.o. 62,5/125um OM1 LSZH - Eca
OC-CVF-111112-12	ORCA - Optical Cable Loose int/est diel. antird 12 f.o. 62,5/125um OM1 LSZH - Eca

(*) no longer available, on request only