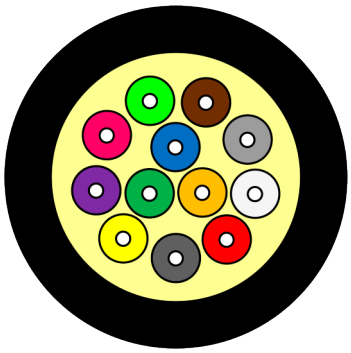
LP-IOC-OM4-R-06 y LP-IOC-OM4-R-12

Riser Cable OM4 Outdoor Specification



Cable Design

The cable is designed for use in Fiber-To-The-Home (FTTH) application. It is to be installed indoor (within the building), through access, such as trunking, conduit and riser to the nearest access point of the customer or to be installed at the riser (vertical).

- Tight buffered fiber: LSZH material, containing 1 fiber.
- Reinforcement member: Aramid yarns.
- Outer Sheath: LSZH black

Cable Specification

Cable Specification			
Fibers core		6	12
Nominal Cable Diameter	mm	5.5	6.5
Tensile Max	N	400	600
Crush Max	N/10cm	500	500

Cable Application

Temperature Range		Temperature Range	
Storage	-20~+60°C	Load	20×D
Operation	-10~+60°C	Unload	10×D

Main Mechanical and Environmental Characteristics(OM4)

Test	Test Standard	Specified Value	Acceptance Criteria
Tensile	IEC 60794-1-2-E1	5 min	△α≤0.6dB/km after test, no damage
Crush	IEC 60794-1-2-E3	500N 1min	△α≤0.6dB/km after test, no damage
Impact	IEC 60794-1-2-E4	1N.m,R=12.5mm, 3impacts	△α≤0.6dB/km after test, no damage
Bending	IEC 60794-1-2-E11	20D, 6turns, 10cycles	△α≤0.6dB/km after test, no damage
Repeated Bending	IEC 60794-1-2-E6	R=20D, 40N, 25cycles	△α≤0.6dB/km after test, no damage
Torsion	IEC 60794-1-2-E7	20N, 1m, +/-180º	△α≤0.6dB/km after test, no damage

Cable Application

Temperature Range		Acceptance Value
Attenuation	@850nm	≤2.5dB/km
	@1300nm	≤0.8dB/km
Bandwidth	@850nm	≥3500 MHz·km
	@1300nm	≥500 MHz·km
Effective Group Index Of Refraction (Neff)	@850nm	1.483
	@1300nm	1.468
Zero-Dispersion wavelength	nm	1295nm~1340nm

Fiber & Tube Color

Color Identification of Fiber												
No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	10	11	12
Color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

Color Identification of Tube												
No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	10	11	12
Color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

Fiber & Tube Color

The outer sheath is marked in 1 meter intervals as follows: According to Customer's Requirements

Delivery Lengths

Standard delivery length will be 2km.