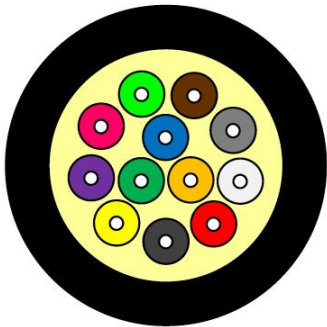


Models: LP-IOC-OM3-R-06 LP-IOC-SMF-R-06
LP-IOC-OM3-R-12 LP-IOC-SMF-R-12



Riser Cable

The cable is designed 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).

Also it could be installed outdoor (non-aerial and not directly buried)

- 900µm Tight buffered fiber: LSZH material, containing 1 fiber
- Reinforcement member: Aramid yarns
- Outer Sheath: LSZH, aqua color

Cable Specification

Model	6 cores	12 cores
Nominal Cable Diameter (mm)	5.5±0.5	6.5±0.5
Tensile Max (N)	400	600
Crush Max (N/10cm)	500	500

Cable Application

Temperature Range		Minimum Bend Radius	
Storage	-20~+60°C	Load	20xD
Operation	-10~+60°C	Unload	10xD



Main Mechanical and Environmental Characteristics (Single-mode)

Test	Test Standard	Specified Value	Acceptance Criteria
Tensile	IEC 60794-1-2-E1	5 min	Δα reversible, no damage
Crush	IEC 60794-1-2-E3	1000N, 1min	Δα reversible, no damage
Impact	IEC 60794-1-2-E4	1N.m, R=12.5mm, 3points	Δα reversible, no damage
Bending	IEC 60794-1-2-E11	20D, 6turns, 10cycles	Δα reversible, no damage
Repeated Bending	IEC 60794-1-2-E6	R=20D, 40N, 25cycles	Δα reversible, no damage
Torsion	IEC 60794-1-2-E7	20N, 1m, +/-180°	Δα reversible, no damage

Models: LP-IOC-OM3-R-06 LP-IOC-SMF-R-06
LP-IOC-OM3-R-12 LP-IOC-SMF-R-12

Main Mechanical and Environmental Characteristics (Multi-mode)

Test	Test Standard	Specified Value	Acceptance Criteria
Tensile	IEC 60794-1-2-E1	5 min	$\Delta\alpha \leq 0.6\text{dB/km}$ after test, no damage
Crush	IEC 60794-1-2-E3	1000N, 1min	$\Delta\alpha \leq 0.6\text{dB/km}$ after test, no damage
Impact	IEC 60794-1-2-E4	1N.m, R=12.5mm, 3 impacts	$\Delta\alpha \leq 0.6\text{dB/km}$ after test, no damage
Bending	IEC 60794-1-2-E11	20D, 6turns, 10cycles	$\Delta\alpha \leq 0.6\text{dB/km}$ after test, no damage
Repeated Bending	IEC 60794-1-2-E6	R=20D, 40N, 25cycles	$\Delta\alpha \leq 0.6\text{dB/km}$ after test, no damage
Torsion	IEC 60794-1-2-E7	20N, 1m, +/-180°	$\Delta\alpha \leq 0.6\text{dB/km}$ after test, no damage

Cabled Fiber Performance (Single-mode)

Characteristics		Acceptance Value
Attenuation	@1310nm	$\leq 0.40\text{dB/km}$
	@1550nm	$\leq 0.30\text{dB/km}$

Cabled Fiber Performance (Multi-mode)

Characteristics		Acceptance Value
Attenuation	@850nm	$\leq 3.5\text{dB/km}$
	@1300nm	$\leq 1.5\text{dB/km}$

Fiber & Tube Color Identification

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

* If the color number is more than 12, the tube color code will be marked black ring and repeated again.

Sheath Marking

The outer sheath is marked in 1 meter intervals.