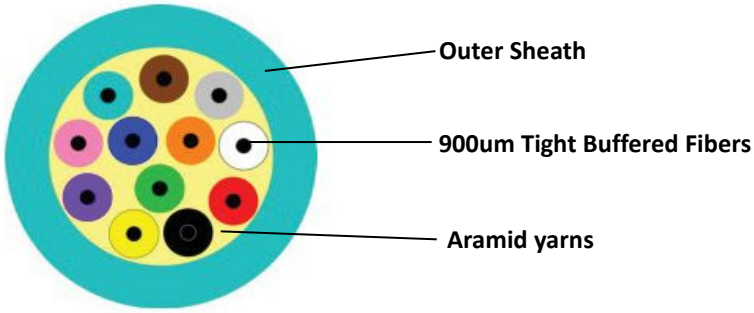
12 Core OM4 Indoor Fiber Cable



Cable Structure

The multi-core bundle optical cable consists of 900μm tight buffered fibers and covered with aramid yarns as the strength member.

Application

Local Area Networks (LAN)
Telecommunication Networks

Optical Fiber

Optical Fiber supplied in this specification meet the requirements of IEC60793-2-10.

Specification	Unit	Value
Cladding diameter	μm	125±2
Cladding non-circularity	%	≤2
Core diameter	μm	50±2.5
Core-cladding concentricity error	μm	≤3
Core non-circularity	%	≤6
Primary coating diameter- uncoloured	μm	245±10
Primary coating diameter- coloured	μm	250±15
Primary coating – cladding concentricity error	μm	≤12.5
Proof stress level	Gpa	≥0.69
Cable Attenuation@850nm	dB/km	≤3.5
Cable Attenuation@1300nm	dB/km	≤1.5
Minimum modal bandwidth-length product for overfilled launch at 850nm	MHz・km	3500

Minimum modal bandwidth-length product for overfilled launch at 1300nm	MHz・km	500
Numerical aperture	Unit	0.20±0.015
Maximum macro-bending loss of 100 turns on mandrel diameter of 75mm at wavelengths 850nm and 1300nm	dB	0.5
Zero dispersion wavelength, λ_0	nm	$1295 \leq \lambda_0 \leq 1340$
Zero dispersion slope, S_0 (1295nm~1310nm)	$Ps/nm^2 \cdot km$	$S_0 \leq 0.105$

Technical Characteristics

Type	Cable diameter （mm）	Cable weight （kg/km）	Tensile strength Long/short term （N）	Bending radius Dynamic/static （mm）	Crush Long/short term （N/100mm）	Storage temperature （℃）
IB-12F-OM4	6.2	33	200/600	20D/10D	200/1000	-20~+60

Ordering Information

Part No.	**Description**	**Outer Jacket**	**Jacket color**
IB-12F-OM4	12Cores OM4 Indoor Fiber Cable	PVC	Aqua