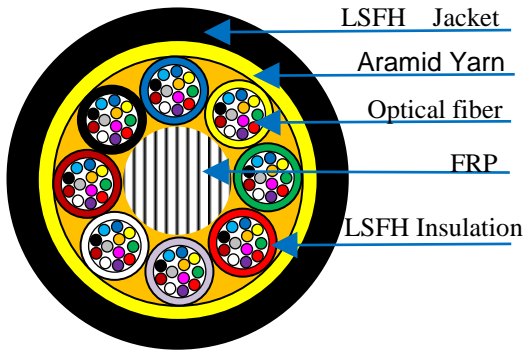


# Micro module Cable



## Description

micromodule designs are available for the most extensive range of applications, throughout internal and external networks, whether traditional duct, micro-duct or direct buried networks or the most innovative solutions using new forms of rights-of-way.

## Features

- ★ Easy installation and reduced costs
- ★ High reliability
- ★ Environmental protection



12C-2MB-BSM



24C-2MB-BSM



24C-4MB-BSM



48C-4MB-BSM



48C-6MB-BSM



96C-12MB-BSM

## ◎ Specifications

Item		Specifications						
Product No.		12C-2MB -BSM	24C-2MB -BSM	24C-4MB -BSM	48C-4MB -BSM	48C-6MB -BSM	96C-12MB -BSM	144C-12MB -BSM
Fiber core		12	24	24	48	48	96	144
Fiber type		ITU-T G.657A1						
Core/Clad concentricity error		≤0.5μm						
Cladding diameter		125±0.7μm						
Cladding non-circularity		≤0.7%						
Primary Coating diameter		245±5μm						
Fiber subunit	Fiber core	2	2	4	4	6	12	12
	Material	LSFH						
	Diameter (mm)	0.7±0.1		0.8±0.1		0.9±0.1	1.25±0.1	
Central strength	Material	FRP						
	Diameter (mm)	1.0	3.1	1.1	3.4	2.1	2.7	4.9
Strength Member		Aramid Yarn						
Jacket	Material	LSFH						
	Diameter (mm)	5.5	7.1	5.7	7.7	6.7	7.9	9.8
Cable Weight(kg/km) Approx		24	45	24	45	40	46	70

## ◎ Environmental Characteristics

Item		Descriptions	
Tensile performance	IEC 60794-1-2-E1	short-term	12cores 670N 24&48cores:1350N 96&144cores1600N
		long-term	12cores 300N 24&48cores:600N 96&144cores:800N
Crush Resistance	IEC 60794-1-E3	short-term	300N/10cm
		long-term	100N/10cm
Cable Impact	IEC 60794-1-E4	No obvious change after test	
Repeat Bending	IEC 60794-1-E6		
Torsion	IEC 60794-1-E7		
Cable Bend	IEC 60794-1-E11		
Temperature Range	IEC 60794-1-2-F1	-40°C~+60°C	
Bending Radius	Static	10D	
	Dynamic	20D	

## ◎Fiber properties

Item	Descriptions	
	Before cabled	After cabled
Attenuation at 1310nm	≤0.35dB/km	≤0.40dB/km
Attenuation at 1383nm	≤0.35dB/km	≤0.45dB/km
Attenuation at 1550 nm	≤0.21dB/km	≤0.30dB/km
Attenuation at 1625nm	≤0.23dB/km	≤0.40dB/km
Cable cut-off wavelength	≤1260 nm	
Zero-dispersion wavelength	1300 ~ 1324 nm	
Zero-dispersion slope	≤0.092 ps/(nm <sup>2</sup> .km)	
Mode field diameter	@ 1310 nm 8.4~9.2μm	
Macro-bend induced attenuation		
10mm radius, 1 turn	Δ≤0.75 dB @1550nm	
15mm radius , 10 turns	Δ≤0.25 dB @1550nm	