

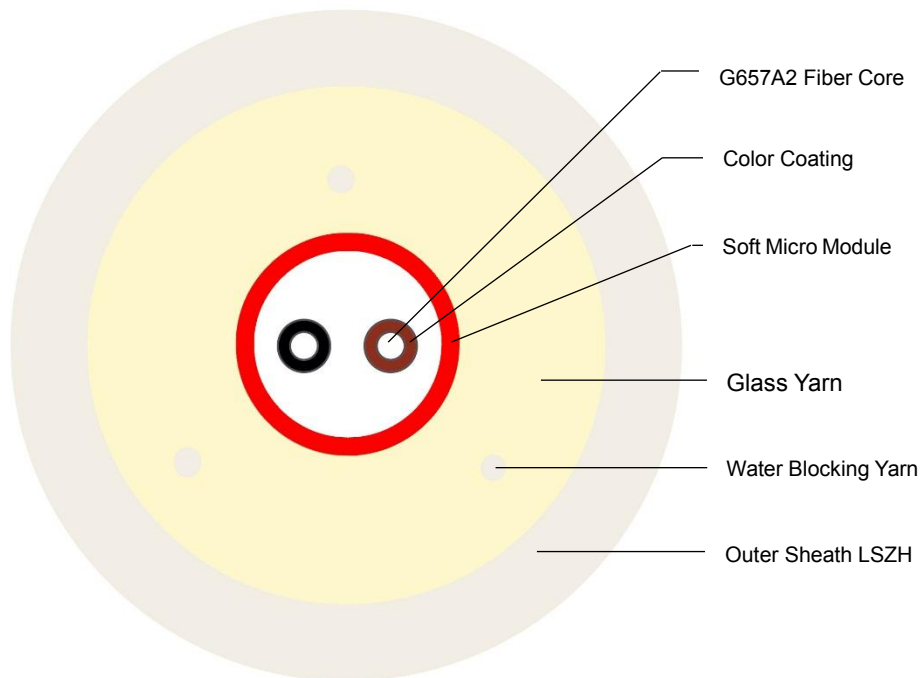


### Application

The micro-module cable is dedicated to indoor cabling (stapling or bonding on plinths, laying in through micro-ducts...). With its reduced diameter it will fit most of customer's flat and allow discrete installation.

Fiber management as well as fiber splicing, are easy thanks to the micro-sheath technology.

### Construction



### Color Identification:

Fiber Core				
No	1	2	3	4
Color	Black	Brown	Red	Orange

Micro Module	
No	1
Color	Red

### Marking

B-CABLES SMART<sup>∞</sup>LINE DROP CABLE xFO G657A2 - CPR Cca s1a1d1 DoP-BSYFD01C-XX ZZWWYY production batch code xxxxM

xFO: fiber core number; XX or ZZ: production line name; WWYY: week and year of production

### Optical Fiber Technical Characteristic

Items		Unit	Specification
			G.657A2
Mode Field Diameter (IEC 60793-1-4)	1310 nm	μm	8.2~9.2
	1550 nm	μm	9.8 ± 0.5
Cladding Diameter (IEC 60793-1-2)		μm	125 ± 0.7
Cladding Non-Circularity (IEC 60793-1-2)		%	≤ 0.7
Core-Cladding Concentricity Error (IEC 60793-1-2)		μm	≤ 0.5
Coating Diameter (IEC 60793-1-2)		μm	245.0 ± 5
Coating Non-Circularity (IEC 60793-1-2)		%	≤ 6.0
Cladding-Coating Concentricity Error (IEC 60793-1-2)		μm	< 12.0
Cable Cutoff Wavelength (IEC 60793-1-4)		nm	$\lambda_{cc} \leq 1260$
Attenuation (IEC 60793-1-4)	1310nm	dB/km	≤ 0.4
	1550nm	dB/km	≤ 0.3
Macro-Bending Loss (IEC 60793-1-3)	1 turnx7.5mm radius @1550nm	dB	≤ 0.5
	1 turnx7.5mm radius @1625nm	dB	≤ 1.0

### Mechanical and Environmental Features

Items	Unit	Specification
Tension (Working) (IEC 60794-1-2-E7)	N	200
Tension (Installation) (IEC 60794-1-2-E7)	N	400
Crush (Working) (IEC 60794-1-2-E3)	N/10cm	100
Crush (Installation) (IEC 60794-1-2-E3)	N/10cm	500
Min. Bend Radius (Dynamic) (IEC 60794-1-2-E11B)	mm	25D
Min. Bend Radius (Static) (IEC 60794-1-2-E11B)	mm	10D
Installation Temperature (IEC 60794-1-2)	°C	-10 ~ +60
Operating Temperature (IEC 60794-1-2)	°C	-30 ~ +60
Storage Temperature (IEC 60794-1-2)	°C	-40 ~ +60
Water Penetration (IEC 60794-1-22-F1)	/	Sample length: 3m Time: 24H
Flame retardant performance standard	/	IEC60332-1 IEC60332-3
Europe CPR Class (EN50575:2014/A1:2016)	/	Cca-s1,d1,a1

### Cable Technical Characteristic

Items		Unit	Specification	
			1 Module	
Fiber count		/	2	4
Tension (Max)		N	1500	1500
Crush (Max)		N/cm	1000	1000
Colored Coating Fiber	Diameter	µm	250 ± 15	250 ± 15
Micro Module	Diameter	mm	1.1 +/- 0.2	1.1 +/- 0.2
	Material	/	LSZH	LSZH
Strength member		/	Glass Yarn	
Outer Sheath	Material	/	LSZH	LSZH
	Thickness	mm	0.6 +/- 0.1	0.6 +/- 0.1
	Diameter	mm	4.0 ± 0.2	4.0 ± 0.2
	Color	/	WHITE	WHITE