SM/MM 5.0mm LSZH FTTA Fiber Optic Jumper

BSC Series

- **UV-resistant and weatherproof structure**
- **Anti-rodent protection**
- **Excellent tensile strength and crush resistance**
- **Stable performance under temperature variations**

The SM/MM 5.0mm LSZH FTTA Fiber Optic Jumper is designed for high-reliability outdoor fiber connectivity applications, particularly in FTTA (Fiber To The Antenna) deployments. The cable features a rugged 5.0mm LSZH (Low Smoke Zero Halogen) outer jacket, providing excellent mechanical strength, environmental resistance, and enhanced safety performance in harsh outdoor environments.

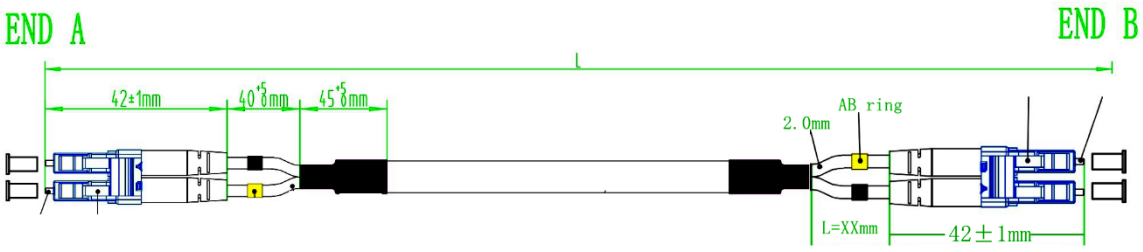
This jumper is engineered to support both Single Mode (SM) and Multi-Mode (MM) fiber types, ensuring stable, low-loss signal transmission for telecom base stations, wireless infrastructure, and outdoor network installations.

Compatible with conventional LC, FC, SC, and ST connectors, as well as outdoor waterproof connector systems such as NSN, ODVA, PDLC, and Mini-SC, this FTTA jumper is ideal for demanding telecom and 5G network applications.

Key Features

- UV-resistant and weatherproof structure
- Anti-rodent protection
- Excellent tensile strength and crush resistance
- Stable performance under temperature variations
- Reliable connection for outdoor base station tower tops and BBU-to-RRU links

Outline Dimension



Specifications

Available Variants

Item	Description
Type	**Length (mm)**
BSC-XXX	XXX
BSC-5000	5000
BSC-10000	10000
BSC-70000	70000
BSC-100000	100000
Length (m)	**Tolerance (mm)**
L < 5	+100/-0
L ≥ 5	+2%L/-0

Parts

Item	Description
Connector A	DLC/DSC/DFC/UPC, multi-mode(SM/MM)
Connector B	DLC/DSC/DFC/UPC, multi-mode(SM/MM)
Cable	5.0mm 2F cable, LSZH, Black

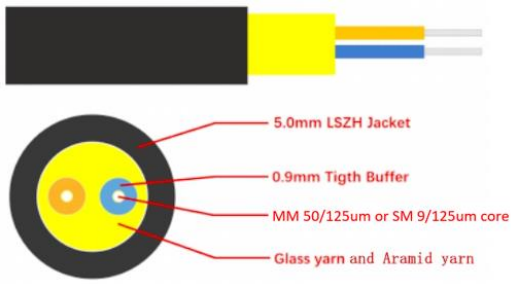
Optical Data

Item	Description
Cable	
Fiber	OM2,50/125um/OS2 G657A2,9/125um optical fiber
Fiber Count	according to ITU-T G651 2

Item	Description
Optical Fiber Loss	≤2.5dB/km @ 850nm
	≤0.35dB/km @ 1310nm
	≤0.21dB/km @ 1550nm
Assembly	
Insertion Loss	Max.0.5dB+3.5dB/km*L @850nm
Return Loss	Max.0.5dB+1.5dB/km*L @1310nm according to IEC 61300-3-4 Method C
	Min.30 dB according to IEC 61300-3-6 method 1

Cable Construction

Item	Description



Out Jacket	5.0±0.2mm,LSZH,Black
Strength Member	Glass yarn and Aramid yarn

Mechanical Data

Item	Description
Connector	
Mating Durability	200 cycles
Tensile Strength (Cable and Connector Connection Point)	120N
Cable	
Minimum Bending Radius	Installation,75mm
	Operation,50mm
Tensile Strength (according to IEC 60794-1-2 E1)	Max 400N
Crush (According to IEC 60794-1-2 E3)	Max 3000N/10cm

Ordering Information

Product Name	Product Description
BSC-CPRI-DLC-DLC-IP67-G657-50-OS-LSZH-020	Base Station cable, CPRI, DLC-DLC, IP67 protection, G657A2, SM 9/125um, cable diameter 5.0mm, armored, LSZH, Black, 20m
BSC-CPRI-DLC-DLC-IP67-G657-50-OS-LSZH-050	Base Station cable, CPRI, DLC-DLC, IP67 protection, G657A2, SM 9/125um, cable diameter 5.0mm, armored, LSZH, Black, 50m
BSC-CPRI-DLC-DLC-IP67-G657-50-OS-LSZH-080	Base Station cable, CPRI, DLC-DLC, IP67 protection, G657A2, SM 9/125um, cable diameter 5.0mm, armored, LSZH, Black, 80m
BSC-CPRI-DLC-DLC-IP67-G657-50-OS-LSZH-100	Base Station cable, CPRI, DLC-DLC, IP67 protection, G657A2, SM 9/125um, cable diameter 5.0mm, armored, LSZH, Black, 100m

Note: Please contact Ascent sales representative for more detailed product selection and cable lengths.

Contact Information

Ascent Communication Technology Ltd

AUSTRALIA
140 William Street, Melbourne
Victoria 3000, AUSTRALIA
Phone: +61-3-8691 2902

Hong Kong SAR
Room 1210, 12th Floor, Wing Tuck Commercial
Centre 181 Wing Lok Street, Sheung Wan , Hong Kong SAR
Phone: +852-2851 4722

CHINA
Unit 1933, 600 Luban Road
200023, Shanghai, CHINA
Phone: +86-21-60232616

USA
2710 Thomes Ave
Cheyenne, WY 82001, USA
Phone: +1 203 350 9822

EUROPE
Pfarrer-Bensheimer-Strasse 7a
55129 Mainz, GERMANY
Phone: +49 (0) 6136 926 3246

VIETNAM
11th Floor, Hoa Binh Office Tower
106 Hoang Quoc Viet Street, Nghia Do Ward
Cau Giay District, Hanoi 10649, VIETNAM
Phone: +84-24-37955917

WEB: www.ascentcomtec.com

EMAIL: sales@ascentcomtec.com

Specifications and product availability are subject to change without notice.

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