



**OVERVIEW**

Zemecs Singlemode OS2 LC-LC fiber optic simplex patch cords comply with ITU-T G.652.D, ANSI/TIA 568.3-D, EIA/TIA 492-CAAA, IEC 60874-1, IEC 61754-7 and ISO/IEC 11801 standards. They are designed and manufactured to provide 10G device connectivity in fiber optic networks. They can be manufactured in lengths from 0,5m. to several hundred meters and provide high performance F/O connectivity thanks to high return loss and low insertion loss.

**MATERIAL SPECIFICATIONS**

COMPONENT	TYPE	MATERIAL	COLOUR
Connector	LC-LC	Termoplastics	Blue
Boot	N/A	Polyester	Blue
Ferrule	N/A	Zirconia Ceramic	N/A
Jacket	Coated Fiber	LSOH	Yellow
Strength Member		Aramid	

**PHYSICAL SPECIFICATIONS**

Mode Field Diameter @1310nm./1550nm.	9,2/10,4	µm., Max.
Outer Diameter	2,00± 0,10	mm.
Cable Weight*	3,8 ± 0,08	kg.
Length	See: "Part Number Coding"	

\* Excludes connectors

**OPTICAL SPECIFICATIONS**

Insertion Loss @1.310nm.	0,30	dB., Max.
Return Loss	50	dB., Min.
Attenuation@1.310nm./1.550nm.	0,34/0,25	dB., Max.

**FEATURES**

- Return loss ≥50 dB
- LSOH (IEC 60332-1) jacket
- -40°C / +85 °C operation temperature
- RoHS 2011/65/EU compliant



**COMPLIANCE**

Generic Cabling And Cabling Components Standards		
• ITU-T G.652.D	• IEC 60874-1	• IEC 60754-2
• ANSI/TIA 568.3-D	• IEC 61754-4	• IEC 61034
• ISO/IEC 11801	• IEC 60794	• EN 50268
Standards For The Restriction Of Use Of Hazardous Substances In Electrical And Electronic Equipments		
• 2011/65/EU (RoHS-2)		

**APPLICATIONS**

- Device connectivity in 10G and 1G fiber optic networks
- Telecommunications
- CATV

**MECHANICAL SPECIFICATIONS**

Bending Radius	30	mm., Min.
Pulling Tension Strength (IEC 60794-E1)	10(100)	Kg.(N.), Min.
Durability	1.000	Cycles
Crush Strength (IEC 60794-E1)	1.000	N./m.

**ENVIRONMENTAL SPECIFICATIONS**

Transportation and Storage Temperature	-40 / +85	°C
Installation Temperature	-40 / +85	°C
Operation Temperature	-40 / +85	°C
Relative Humidity	10 - 90, Non-condensing	%

**PART NUMBER CODING**

Part Nr.	Product Description
F2SD-3ZU-78YY	Zemecs Singlemode LC/UPC-LC/UPC Simplex LSOH Patch Cord

YY: Length*		
<b>0S</b>	0,50m.	<b>03</b> 3m..
<b>01</b>	1m.	<b>10</b> 10m.
<b>02</b>	2m.	<b>99</b> 99m.

\* May be delivered at different lengths on demand.

