



## OVERVIEW

Zemecs Multimode OM1 SC pigtails comply with ITU-T G.651, ANSI/TIA 568-3.D, EIA/TIA 492-AAAB, IEC 60874-1, IEC 61754-7 and ISO/IEC 11801 standards. They enable splicing up to 10G fiber optic backbones inside panels or splice/distribution enclosures for indoor or outdoor use.

## MATERIAL SPECIFICATIONS

COMPONENT	TYPE	MATERIAL	COLOUR
Connector	SC	Termoplastics	Beige
Boot	N/A	Polyester	Beige
Ferrule	N/A	Zirconia Ceramic	N/A
Jacket	Coated Fiber	LSOH	White

## PHYSICAL SPECIFICATIONS

Core Diameter	62,5 ±2,5	µm.
Outer Diameter	0,90± 0,05	mm.
Length	1	m.

## MECHANICAL SPECIFICATIONS

Bending Radius	30	mm., Min.
Pulling Tension Strength (IEC 60794-E1)	6(60)	Kg.(N.), Min.
Durability	1.000	Cycles
Crush Strength (IEC 60794-E1)	500	N./m.

## FEATURES

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



## OPTICAL SPECIFICATIONS

Insertion Loss @850nm.	0,30	dB., Max.
Return Loss	50	dB., Min.
Attenuation @850nm.	3,5	dB., Max.

## APPLICATIONS

- Splicing in 10G and 1G fiber optic networks
- FTTx

## 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	%

## COMPLIANCE

### Generic Cabling And Cabling Components Standards

• ITU-T G.651.1	• IEC 60874-1	• IEC 60754-2
• ANSI/TIA 568-3.D	• IEC 61754-4	• IEC 61034
• ISO/IEC 11801	• IEC 60794	• IEC 60793-2-10

### Standards For The Restriction Of Use Of Hazardous Substances In Electrical And Electronic Equipments

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| • 2011/65/EU (RoHS-2) |
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## PART NUMBER CODING

Part Nr.	Product Description
F3M1-5Z1U	Zemecs Multimode OM1 SC LSOH Pigtail, 1m.*

\* May be delivered at different lengths on demand.