



**OVERVIEW**

Zemecs Multimode OM1 LC couplers comply with ITU-T G.651, ANSI/TIA 568-3.D, EIA/TIA 492-AAAA-B, IEC 60874, IEC 61754 and ISO/IEC 11801 standards. They are used to connect pigtails to patch cords in indoor and outdoor panels and closures.

**MATERIAL SPECIFICATIONS**

COMPONENT	TYPE	MATERIAL	COLOUR
Housing	LC	Termoplastics	Beige
Ferrule	N/A	Zirconia Ceramic	N/A
Flange	N/A	Stainless Steel	

**OPTICAL SPECIFICATIONS**

Insertion Loss @850nm.	0,30	dB., Max.
Return Loss	35	dB., Min.
Attenuation @850nm.	3,50	dB., Max.

**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	%

**FEATURES**

- Return loss  $\geq 35$  dB
- -40°C / +85 °C operation temperature
- RoHS 2011/65/EU compliant
- With dust covers



**APPLICATIONS**

- Pigtail-patch cord connectivity in 10G and 1G fiber optic networks
- Fiber optic wall outlets
- Patch cords and panels

**COMPLIANCE**

Generic Cabling And Cabling Components Standards			
• ITU-T G.651.1	• IEC 60874-1		
• ANSI/TIA 568-3.D	• IEC 61754-4		
• ISO/IEC 11801	• IEC 60794		
Standards For The Restriction Of Use Of Hazardous Substances In Electrical And Electronic Equipments			
• 2011/65/EU (RoHS-2)			

**PART NUMBER CODING**

Part Nr.	Product Description
F5M1-54U2	Zemecs OM1 Duplex Coupler, LC
F5M1-54U1	Zemecs OM1 Simplex Coupler, LC
F5M1-54U4	Zemecs OM1 Quad Coupler, LC

