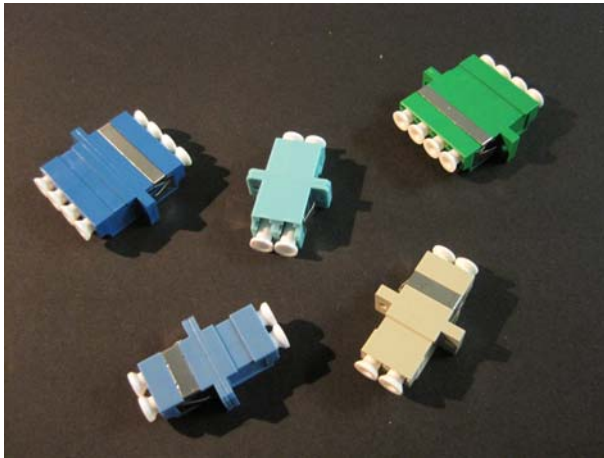


# 3M™ Fibre Optic Couplings, LC



LC Single-mode and Multimode Couplings  
Simplex and Duplex and Quad

3M offers a wide range of RoHS compliant LC couplings for all applications in Premise and FTTX networks.

All couplings comply with the corresponding Standards IEC 61754-20 and GR-326 for single-mode and multimode technology.

Single-mode couplings for both PC and APC connections are equipped with Zirconia ceramic split sleeves to ensure best alignment and high performance also under temperature extremes and rough handling conditions.

The precision moulded polymer housing provides constant long term optical and mechanical performance.

Also the multimode OM3 and OM4 couplings contain Zirconia ceramic sleeves, whereas the OM1 and OM2 couplings are equipped with PhBr metal sleeves.

All couplings can be fixed with the applied standard stainless steel fixing clamp. The flanged versions also have holes for 2mm screw fixing.

## Features

- Single-mode and OM3/4 with Zirconia sleeves
- Integrated metal clips
- Flanged and unflanged versions

## Benefits

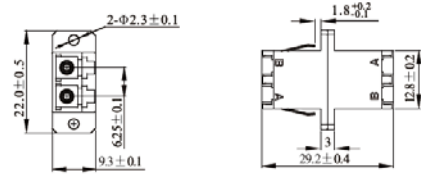
- Low insertion loss, perfect alignment
- Easy and quick mounting in front plates
- High port density

# Specifications

## Parameters for all SM and MM Couplings

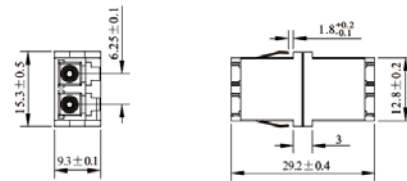
<b>Insertion Loss</b>	≤0,2dB
<b>Mating Durability</b>	≤0,2dB increase after ≤ 500 matings
<b>Pullout Force</b>	100-300 N
<b>Operating Temperature</b>	-40°C to +85°C
<b>Alignment sleeve material, multimode OM1/OM2</b>	PhBr
<b>Alignment sleeve material, single-mode and MM OM3/OM4</b>	Zirconia ceramic

- LC Duplex Coupling, SM, flanged, SC SX footprint, blue 8613-E  
 LC/APC Duplex Coupling, SM, flanged, SC SX footprint, green 8613-GE  
 LC Duplex Coupling, MM OM1/2, flanged, SC SX footprint, beige 6613-E  
 LC Duplex Coupling, MM OM3/4 flanged, SC SX footprint, aqua 6613-EOZ



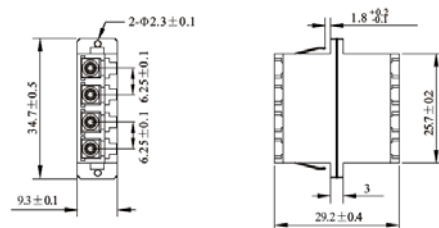
Unit: mm

- LC Duplex Coupling, SM, flangeless, SC SX footprint, blue 05-751-20700  
 LC/APC Duplex Coupling, SM, flangeless, SC SX footprint, green 05-751-19900



Unit: mm

- LC Quad Coupling, SM, flanged, blue 8314-E  
 LC/APC Quad Coupling, SM, flanged, green 8314-GE



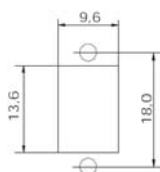
Unit: mm

### Sheet thickness

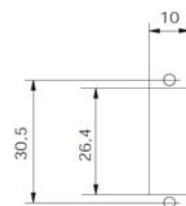


1,6mm max. incl coating for quick assembly spring  
 1,2mm min. incl. coating for 2mm screw mounting

### Hole pattern LC DX







### Hole pattern LC Quad



## Ordering Information

Ref. No.    MOQ

	LC Duplex Coupling, SM, flanged, SC SX footprint, blue LC/APC Duplex Coupling, SM, flanged, SC SX footprint, green	8613-E 8613-GE	60 each 60 each
	LC Duplex Coupling, MM OM1/2, flanged, SC SX footprint, beige LC Duplex Coupling, MM OM3/4, flanged, SC SX footprint, aqua	6613-E 6613-EOZ	60 each 60 each
	LC Duplex Coupling, SM, flangeless, blue LC/APC Duplex Coupling, SM, flangeless, green	05-751-20900 05-751-20800	60 each 60 each
	LC Quad Coupling, SM, flanged, blue LC/APC Quad Coupling, SM, flanged, green	8314-E 8314-GE	60 each 60 each

Pictures show typical housing designs. Variants within the specification are possible.

### Important Notice

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Dr.Nr.07-401-30200 Index 0 Revision 03.2013