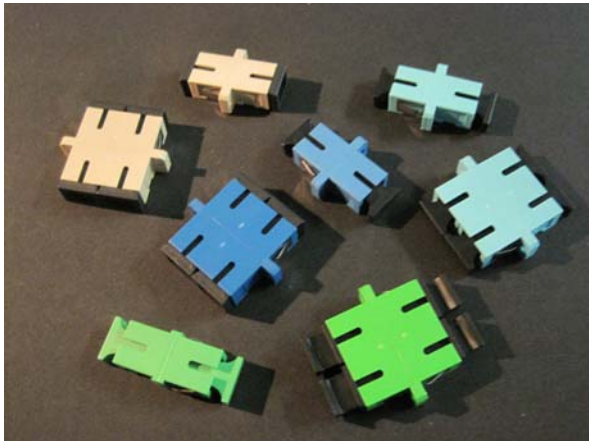


3M™ Fibre Optic Couplings, Type SC



SC Single-mode and Multimode Couplings
Simplex and Duplex

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

All couplings comply with the corresponding Standards IEC 61754-4 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 consistent 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 quick mount 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 flangeless versions

Benefits

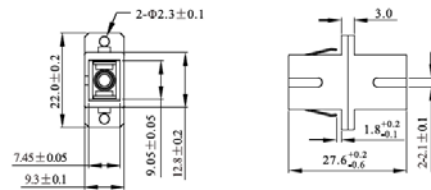
- Low insertion loss, perfect alignment
- Easy and quick mounting in front plates
- High port density

Specifications

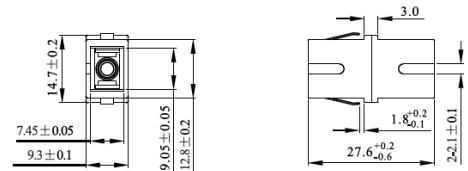
Parameters for all SM and MM Couplings

Insertion Loss	≤0,2dB
Mating Durability	≤0,2dB increase after ≤ 500 matings
Pullout Force	200-600 N
Operating Temperature	-40°C to +85°C
Alignment sleeve material, multimode OM1/OM2	PhBr
Alignment sleeve material, single-mode and MM OM3/OM4	Zirconia ceramic

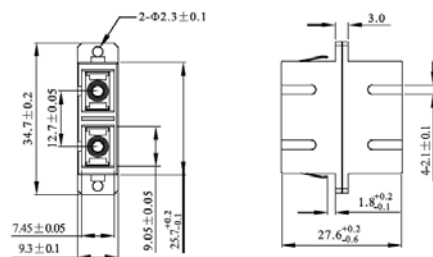
SC Simplex Coupling, SM, flanged, blue 8310-E
 SC/APC Simplex Coupling, SM, flanged, green 8310-GE
 SC Simplex Coupling, MM OM1/2, flanged, beige 6310-E
 SC Simplex Coupling, MM OM3/4, flanged, aqua 6310-EOZ



SC Simplex Coupling, SM, flangeless, blue 05-751-20900
 SC/APC Simplex Coupling, SM, flangeless, green 05-751-20800



SC Duplex Coupling, SM, flanged, blue 8313-E
 SC/APC Duplex Coupling, SM, flanged, green 8313-GE
 SC Duplex Coupling, MM OM1/2, flanged, beige 6313-E
 SC Duplex Coupling, MM OM3/4, flanged, aqua 6313-EOZ

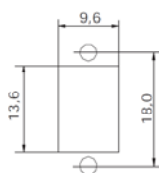


Sheet thickness

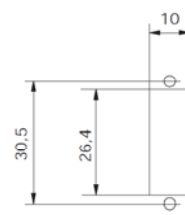


1,6mm max. incl coating for quick assembly spring
 1,2mm min. incl. coating for 2mm screw mounting

Hole pattern SC SX

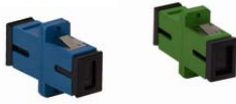


Hole pattern SC DX



Ordering Information

Ref. No. MOQ



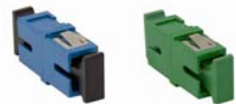
SC Simplex Coupling, SM, flanged, blue
SC/APC Simplex Coupling, SM, flanged, green

8310-E 60 each
8310-GE 60 each



SC Simplex Coupling, MM OM1/2, flanged, beige
SC Simplex Coupling, MM OM3/4, flanged, aqua

6310-E 60 each
6310-EOZ 60 each



SC Simplex Coupling, SM, flangeless, blue
SC/APC Simplex Coupling, SM, flangeless, green

05-751-20900 60 each
05-751-20800 60 each



SC Duplex Coupling, SM, flanged, blue
SC/APC Duplex Coupling, SM, flanged, green

8313-E 60 each
8313-GE 60 each



SC Duplex Coupling, MM OM1/2, flanged, beige
SC Duplex Coupling, MM OM3/4, flanged, aqua

6313-E 60 each
6313-EOZ 60 each

Important Notice

The details contained in this literature have been carefully prepared from information available to 3M at the time of its production. However, it is not intended to be relied upon for purposes of product specification and you should contact your sales representative if specification details are required. Because of the wide variety of processes and conditions in which these products may be used, the user should first carry out tests to determine the suitability of the products for the particular use intended. All questions of warranty and liability relating to 3M products are governed by the selling 3M subsidiary's Terms of Sale subject where applicable to the prevailing law.

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Europe, Middle East & Africa
c/o 3M Deutschland GmbH
Carl-Schurz-Straße 1

41453 Neuss - Germany
Tel.: ++49 (0)2131 / 14-5999

Fax: ++49 (0)2131 / 14-5998

Internet: www.3MTelecommunications.com/eu

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