

# SIEMENS



## SC Duplex Jumper

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Product Information

# Contents

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	Page
Features	3
Technical Data	4
Ordering	5

**Fiber Optics in the Web:**  
<http://www.siemens.de/Semiconductor/FiberOptics/>

## Features

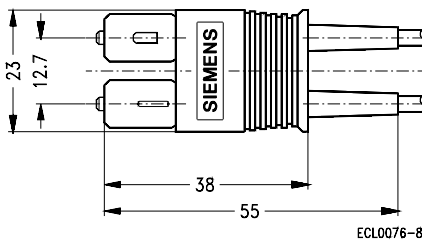
- Fully compatible with ANSI Fiber Channel Standard
- Fully compatible with ANSI Low Cost Fiber
- Siemens SC Duplex Clamp according to ANSI Standard
- Push-pull design
- Multi Mode and Single Mode Connectors available
- Precision zirconia ferrules (free of corrosion, no abrasion)
- Keying for Multi Mode and Single Mode



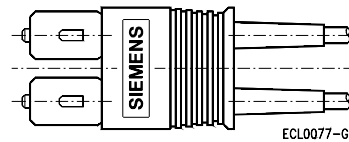
## Description

The Siemens Duplex Jumper with SC Duplex connectors is a design according to ANSI Standard for Fiber Channel and Low Cost Fiber. The small dimensions of the Duplex Clamp according to ANSI Standard guarantees a high packing density for transceiver modules on boards. The Single Mode Keying features the small nose on the transmitter side. It prevents connections of Multi Mode Connector to

Single Mode Keying



Multi Mode Keying



## Absolute Maximum Ratings

Parameter	Symbol	Min.	Max.	Unit
Storage/Shipping Temperature	T <sub>stg</sub>	- 40	60	°C
Storage/Shipping Humidity	RH <sub>stg</sub>	0	98	%
Operating Temperature	T <sub>amb</sub>	0	60	°C
Operating Humidity	RH <sub>amb</sub>	5	95	%
Tension Applied to Mounted Cable	F <sub>cable</sub>		300	N
Cable/Connector Pull Strength	F <sub>con</sub>		90	N
Bend Radius (No Load, Longterm)		30		mm
Cable Crush Resistance			500	N/cm

## Mechanical/Optical/Transmission Characteristics and Recommended Operation Conditions

Parameter	Min.	Typ.	Max.	Unit
Core Diameter		9/50/62.5		μm
Insertion Loss		0.3/0.3/0.3	0.5/0.5/0.5	dB
Return Loss (Single Mode Only)	30/—/—			dB
Mechanical Life (Plugging Cycles)	250	> 1000		
Attenuation at				
850 nm		—/3.0/3.0	—/3.5/3.75	dB/km
1300 nm		0.5/1.0/1.0	1.0/2.0/1.5	dB/km
1550 nm		0.4/—/—	0.75/—/—	dB/km
Bandwidth length product at				
850 nm	—/500/160			MHz x km
1300 nm	—/500/500			MHz x km
Zero Dispersion Wavelength	1300/—/—	1310/—/—	1322/—/—	nm
Zero Dispersion Slope			0.095/—/—	ps/(nm <sup>2</sup> km)
Dispersion (at 1285-1330 nm)			3.5/—/—	ps/(nm km)

## Ordering Instructions

Part number 

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Type: \_\_\_\_\_  
 SC Duplex Jumper (FCS)

Identification digits for core \_\_\_\_\_  
 A = 9/125 µm  
 B = 50/125 µm  
 C = 62.5/125 µm

Cable type \_\_\_\_\_  
 21 = Duplex Zipcord 3.0 x 6.0 mm Riser  
 25 = Duplex Zipcord 3.0 x 6.0 mm Plenum  
 27 = Duplex Zipcord 3.0 x 6.0 mm Halogenfree

Connectors \_\_\_\_\_  
 0 = SC duplex – SC duplex  
 1 = SC duplex – FSMA (only multimode)  
 2 = SC duplex – DIN  
 3 = SC duplex – ST<sup>®</sup>  
 4 = SC duplex – ST<sup>II</sup><sup>®</sup>  
 5 = SC duplex – ESCON<sup>®</sup>  
 6 = SC duplex – FDDI  
 7 = SC duplex – FC/PC  
 8 = SC duplex – SC simplex  
 9 = SC duplex – mini BNG

Identification digit for cable length \_\_\_\_\_  
 A = m (1 ... 999 m)  
 B = cm (30 ... 999 cm, no full meters)  
 D = x 10 m (1000 ... 3000 m)  
 F = m + 0.5 m (1.5 ... 999.5 m)  
 T = 1000 m + (1001 ... 1999 m)

Cable length \_\_\_\_\_

## Ordering Instructions for Ordering in the US

Part number 

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Type: \_\_\_\_\_  
 SC Duplex Jumper (FCS)

Identification digits for core \_\_\_\_\_  
 062 = 62.5/125 µm  
 050 = 50/125 µm  
 009 = 9/125 µm

SC to SC Connector Jumper \_\_\_\_\_

Cable length in meters \_\_\_\_\_  
 e. g. 003 = 3 meters

Duplex Clip \_\_\_\_\_

Plenum \_\_\_\_\_