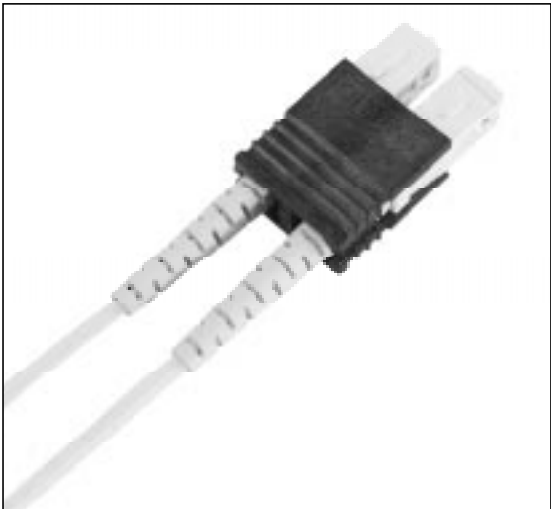


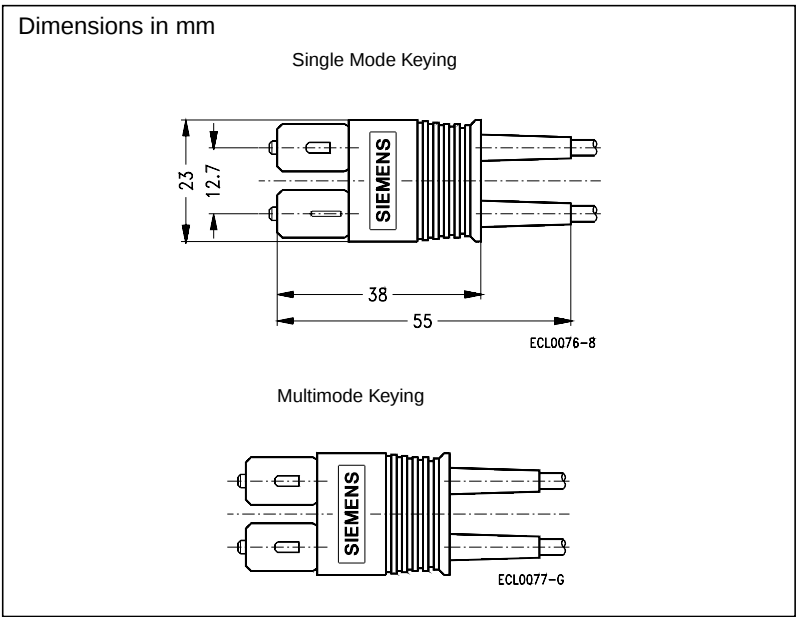


Features

- Fully compatible with ANSI fiber channel standard
- Fully compatible with ANSI low cost fiber
- Siemens SC duplex clamp is in accordance with ANSI standard
- Push-pull design
- Multimode and single mode connectors available
- Precision zirconia ferrules (free of corrosion, no abrasion)
- Keying for multimode and single mode

Description

The Siemens Duplex Jumper with SC Duplex connectors is designed in accordance with ANSI Standard for Fiber Channel and Low Cost Fiber. The small dimensions of the Duplex Clamp 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 a multimode connector to a single mode transmitter.



Absolute Maximum Ratings

|                                                  |             |
|--------------------------------------------------|-------------|
| Storage/Shipping Temperature ( $T_{stg}$ )       | –40 to 70°C |
| Storage/Shipping Humidity ( $RH_{stg}$ )         | 5 to 100 %  |
| Operating Temperature ( $T_{amb}$ )              | 0 to 70°C   |
| Operating Humidity ( $RH_A$ )                    | 8 to 80 %   |
| Tension Applied to Mounted Cable ( $F_{cable}$ ) | 200 N       |
| Tension Applied to Connector ( $F_{con}$ )       | 100 N       |
| Bend Radius for Long-Term Installation at 600 N  | 48 mm       |
| Cable Crush Resistance                           | 400 N/cm    |

Mechanical/Optical/Transmission Characteristics and Recommended Operating 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<br>(Single Mode Only)    | 30/—/—    |             |             |                             |
| Mechanical Life<br>(Plugging Cycles) | 250       | > 1000      |             |                             |
| Attenuation                          | 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 |                             |
|                                      | 1550 nm   | 0.4/—/—     | 0.75/—/—    |                             |
| Bandwidth<br>length<br>product       | 850 nm    | —/500/160   |             | MHz/km                      |
|                                      | 1300 nm   | —/500/500   |             |                             |
| Zero Dispersion<br>Wavelength        | 1300/—/—  | 1310/—/—    | 1322/—/—    | nm                          |
| Zero Dispersion<br>Slope             |           |             | 0.095/—/—   | ps/<br>(nm <sup>2</sup> km) |
| Dispersion<br>(at 1285-1330 nm)      |           |             | 3.5/—/—     |                             |

ORDERING INSTRUCTIONS

Part number

V23859

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3

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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>I</sup>®

4 = SC duplex – ST<sup>II</sup>®

5 = SC duplex – ESCON®

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 U.S.

Part number

JZ

—

S

S

C

P

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

