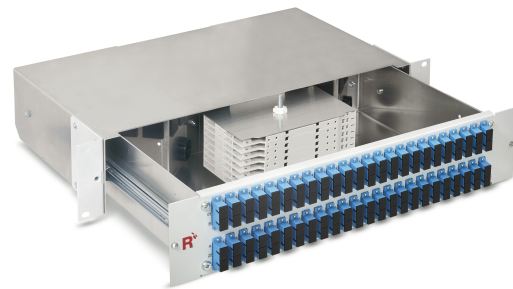


PRODUCTPROFILE

Catalogue number: 234A4303

Partnumber: 774508

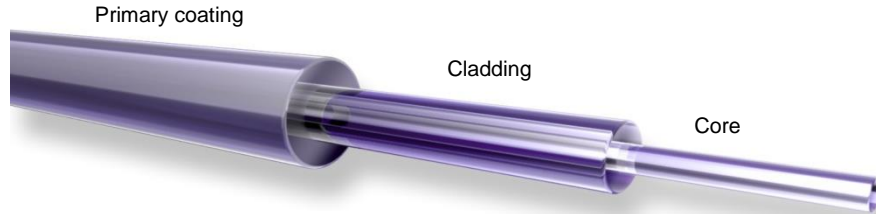
19"-Splice Panel ECO
2 HU, with telescope slides
aluminium body
front plate colour: RAL 7035
adapter type: SC/SC Duplex, SM (plastic)
number of fibers: 96
incl. 1xPG16



Related documents:

19Z-GEHÄUSEZUBEHÖR_OE
DS_FASER G657A1_OE
DS_SC_STECKER_OE

Produktinformation
Fiber Data Sheet
Steckerdatenblatt



Standards

Stepped index fiber 9/125µm according to
 -ISO/IEC 11801 und EN 50173-1 OS2
 -IEC 60793-2-50 type B1.3
 -ITU G.657.A1 und G.652.D

Structure

Silica fiber with two layer acrylate primary coating

Geometrical properties

| | |
|--------------------------------|--------------------|
| Modefield diameter @1310 nm | 9.2 µm +/- 0.4 µm |
| Modefield diameter @1550 nm | 10.4 µm +/- 0.5 µm |
| Cladding diameter | 125 µm +/- 0.07 µm |
| Cladding non-circularity | ≤ 0.7 % |
| Core-Cladding concentricity | ≤ 0.5 µm |
| Primary coating diameter | 242 µm +/- 5 µm |
| Coating-Cladding concentricity | < 12 µm |

Mechanical properties

Break strength SCREEN-Test 1 % strain for 1 s @100 kpsi

Thermal properties

Operating temperature range -60 to +85°C

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Transmission characteristics

Attenuation:

Cabled fiber tight buffered: @ 1310 nm max. 0.38 dB/km
@ 1550 nm max. 0.28 dB/km

Cabled fiber loose tube: @ 1310 nm max. 0.36 dB/km
@ 1550 nm max. 0.22 dB/km

Uncabled fiber: @ 1310 nm max. 0.32 dB/km
@ 1383 nm max. 0.32 dB/km
@ 1490 nm max. 0.21 dB/km
@ 1550 nm max. 0.18 dB/km
@ 1625 nm max. 0.20 dB/km

Macrobending, induced attenuation, uncabled fiber:

Radius 10 mm, 1 turn, @ 1550 nm ≤ 0.50 dB
Radius 10 mm, 1 turn, @ 1625 nm ≤ 1.50 dB
Radius 15 mm, 10 turns, @ 1550 nm . 0.05 dB
Radius 15 mm, 10 turns, @ 1625 nm ≤ 0.30 dB
Radius 25 mm, 100 turns, @ 1310, 1550 und 1625 nm ≤ 0.01 dB

Dispersion:

@ 1285 - 1330 nm ≤ 3.0 ps/(nm*km)
@ 1550 nm ≤ 18.0 ps/(nm*km)
@ 1625 nm ≤ 22.0 ps/(nm*km)

Polarization Mode Dispersion (PMD):

PMD Link Design Value ≤ 0.04 ps/√km
Maximum individual fiber PMD ≤ 0.1 ps/√km

Cut-off-Wavelength: ≤ 1260 nm

Effective group index of refraction:

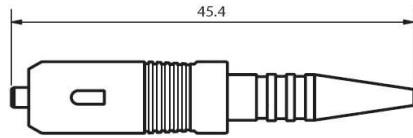
@ 1310 nm 1.4676
@ 1550 nm 1.4682

Backscatter attenuation @ 1ns pulse width:

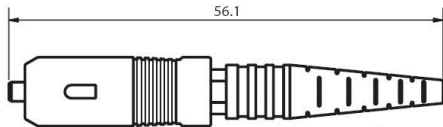
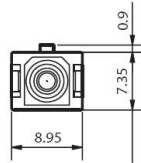
@ 1310 nm -77 dB
@ 1550 nm -82 dB
@ 1625 nm -83 dB

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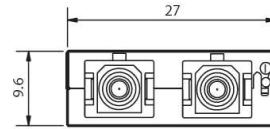
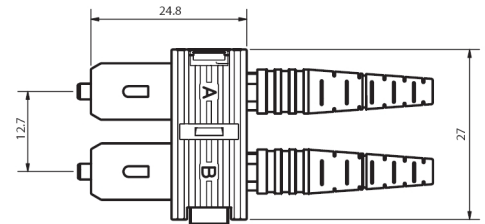
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
|-------------|----------|----------|----------|------|---------------------------|-------------|----------|
| H. Jungbäck | 12-04-15 | P. Maier | 12-04-15 | 001 | without | H. Jungbäck | 12-04-15 |



SC-simplex, buffered fiber



SC-simplex, cable



SC-duplex

All dimensions are in mm; tolerances acc. ISO 2768 m-H

Properties

Standard SC connectors for applications in telecommunications, data center, cabling and LAN, connections to active components.

Interface

SC, acc. to IEC 61754-4

Material for connectors

Ferrule : Zirconia ceramic, Ø 2.5 mm
 Body : Plastics
 Boot : Plastics

Optical data

| | Typical | max. |
|----------------------|--------------------------------------|---------|
| Insertion Loss : S/M | 0.20 dB | 0.40 dB |
| M/M | 0.20 dB | 0.40 dB |
| Return Loss : S/M | ≥45 dB(PC), ≥55 dB(UPC), ≥65 dB(APC) | |
| M/M | ≥30 dB | |

Mechanical data

Mating cycle ≥ 1000
 Strain relief 100 N(dependent on the cable type)

Environmental data

Operation temperature range -40°C to +85°C
 Storage temperature range -40°C to +85°C

Suitable cables

Cable Types : Ø 0.9 ~ 3.5 mm

Packaging

Standard Packaging.

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| Connector Part | Part No |
|--------------------------------------|----------------|
| Connector Body | |
| Singlemode, PC, blue | 98 SCS 120-101 |
| Singlemode, APC, green | 98 SCS 110-101 |
| Multimode, 50 µm, black | 98 SCS 130-101 |
| Multimode, 62.5 µm, beige | 98 SCS 130-102 |
| Duplex clip, black | 98 ZD 02-0BK |
| Crimp sleeve | |
| for Ø 2.1 | 98 ZC 05-000 |
| for Ø 2.8-3.5 | 98 ZC 04-000 |
| Boot, Ø 0.9 mm buffered fiber | |
| blue | 98 ZB 06-0BU |
| green | 98 ZB 06-0GN |
| black | 98 ZB 06-0BK |
| yellow | 98 ZB 06-0YE |
| red | 98 ZB 06-0RD |
| Boot, Ø 2.1 mm cable | |
| blue | 98 ZB 05-0BU |
| green | 98 ZB 05-0GN |
| black | 98 ZB 05-0BK |
| yellow | 98 ZB 05-0YE |
| red | 98 ZB 05-0RD |
| Boot, Ø 2.8-3.5 mm cable | |
| blue | 98 ZB 04-0BU |
| green | 98 ZB 04-0GN |
| black | 98 ZB 04-0BK |
| yellow | 98 ZB 04-0YE |
| red | 98 ZB 04-0RD |



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| | | | | | | | |
|---------|------------|------------|------------|------|---------------------------|---------|------------|
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
| Y.Zhang | 29.03.2017 | H.Jungbäck | 29.03.2017 | 002 | --- | Y.Zhang | 29.03.2017 |