

DATASHEET

Simplex Fiber Optic Patch Cable SC/APC-SC/APC G657.A2



Description

Fiber jumper are well defined components in international standard of structured cabling ISO/IEC11801. Due to many different network protocols created in the last 25 years, also a wide range of connectors had been developed. Some of them are still important today: LC, SC, E2000®, MPO/MTP.

Fiber jumper (patchcord) are defined as shortest connection between passive interface and active deviceport, regarding structured cabling standard. Rating of performance, known as category, as well as performance of total transmission channel, known as link class, Similar descriptions for patchcords: Connection cable, drop cable, adapter cable, interconnecting cord, Jumper

Features of EFB fiber optic patch cables

Tension relief reinforced with aramid yarn

Halogen-free and flame-retardant sheath according to IEC-60754-2, IEC-60332-1 and IEC-61034

EFB fiber optic connectors meet the minimum quality class Grade B/2 according to IEC-61753-1 for singlemode and Grade A/1 for multimode according to IEC 61753-122-2 (UPC cut)

100% tested and with individual measurement report

General data

| | |
|--------------------------------|----------------------------|
| Fibre type | Singlemode |
| Category | G657A2 acc. to ITU-T G.657 |
| Bend optimized fiber | yes |
| Number of fibres | 1 |
| Anti-kink sleeve | put-on |
| Type of connector connection 1 | SC |
| APC version Connector 1 | 8° |
| Connector colour 1 | green |
| Type of connector connection 2 | SC |
| APC version Connector 2 | 8° |
| Connector colour 2 | green |

This datasheet was created automatically on 19-05-2022. Technical changes reserved.



DATASHEET

Simplex Fiber Optic Patch Cable SC/APC-SC/APC G657.A2

Mechanical characteristics

| | |
|-------------------------------|-------|
| Min. Bending radius (Static) | 10xOD |
| Min. Bending radius (Dynamic) | 20xOD |

Cable construction

| | |
|--------------------|---------|
| Cable type | Simplex |
| Cable Construction | simplex |
| Cable Ø | 3.0 mm |

Cable sheath

| | |
|---------------------|---------------------------|
| Colour outer sheath | yellow |
| Jacket Material | LSZH |
| Flame retardant | According to EN 50265-2-1 |

Environmental conditions

| | |
|-----------------------|-------------|
| Operating Temperature | -20 – 75 °C |
| Storage Temperature | -20 – 85 °C |

Transmission characteristics

| | |
|--------------------------|----------------------|
| Quality class singlemode | B/2 acc. IEC 61753-1 |
|--------------------------|----------------------|

Standards, approvals, certifications

| | |
|---------------------------|-------------|
| Cable Conform to Standard | IEC 60793-2 |
|---------------------------|-------------|

Available variants

| Article no. | Title | Length | Length tolerance |
|-------------|---|--------|------------------|
| O0944.0,5 | Simplex FO Patch Cable SC/APC-SC/APC G657.A2 0,5m 3,0mm yellow 9/125µm | 0.5 m | ±5 % |
| O0944.1 | Simplex FO Patch Cable SC/APC-SC/APC G657.A2 1m 3,0mm yellow 9/125µm | 1.0 m | ±5 % |
| O0944.2 | Simplex FO Patch Cable SC/APC-SC/APC G657.A2 2m 3,0mm yellow 9/125µm | 2.0 m | ±5 % |
| O0944.3 | Simplex FO Patch Cable SC/APC-SC/APC G657.A2 3m 3,0mm yellow 9/125µm | 3.0 m | ±5 % |
| O0944.5 | Simplex FO Patch Cable SC/APC-SC/APC G657.A2 5m 3,0mm yellow 9/125µm | 5.0 m | ±5 % |
| O0944.6 | Simplex FO Patch Cable SC/APC-SC/APC G657.A2 6m 3,0mm yellow 9/125µm | 6.0 m | ±5 % |
| O0944.7,5 | Simplex FO Patch Cable SC/APC-SC/APC G657.A2 7,5m 3,0mm yellow 9/125µm | 7.5 m | ±5 % |
| O0944.10 | Simplex FO Patch Cable SC/APC-SC/APC G657.A2 10m 3,0mm yellow 9/125µm | 10.0 m | ±5 % |
| O0944.12,5 | Simplex FO Patch Cable SC/APC-SC/APC G657.A2 12,5m 3,0mm yellow 9/125µm | 12.5 m | ±5 % |
| O0944.15 | Simplex FO Patch Cable SC/APC-SC/APC G657.A2 15m 3,0mm yellow 9/125µm | 15.0 m | ±5 % |
| O0944.20 | Simplex FO Patch Cable SC/APC-SC/APC G657.A2 20m 3,0mm yellow 9/125µm | 20.0 m | ±5 % |

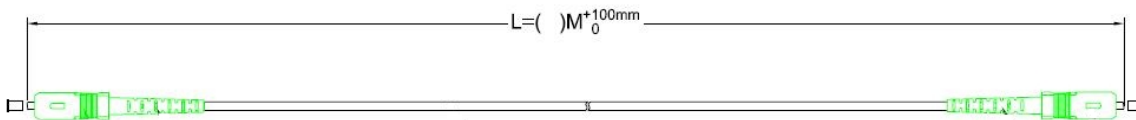
This datasheet was created automatically on 19-05-2022 . Technical changes reserved.



DATASHEET

Simplex Fiber Optic Patch Cable SC/APC-SC/APC G657.A2

Technical drawings



| OM-Klassifikation ISO/IEC 11801 | | OM1 | OM2 | OM3 | OM4 | OM5 |
|--|---------|-----|-----|------|------|------|
| Min. modale Bandbreite mit vollständiger Anregung aller Kernmoden [MHz*km] | 850 nm | 200 | 500 | 1500 | 3500 | 4700 |
| | 1300 nm | 500 | 500 | 500 | 500 | 2470 |
| Min. modale Bandbreite (effektive) Laser-Bandbreite [MHz*km] | 850 nm | n/s | n/s | 2000 | 4700 | n/s |
| | 1300 nm | 1.5 | 1.5 | 1.5 | 1.5 | 1,5 |
| Dämpfung [dB/km] | 850 nm | 3.5 | 3.5 | 3.5 | 3.5 | 3,5 |
| | 1300 nm | | | | | |

accessory

| | |
|---------|------------------------------|
| 39962.2 | Reel Cleaner(new Version) |
| 39926.1 | Miller® Fiber Cleaning Tapes |

This datasheet was created automatically on 19-05-2022 . Technical changes reserved.

