

DATASHEET

Simplex Fiber Optic Patch Cable LC/APC-SC/APC OS2 2,0mm



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

General data

Fibre type	Singlemode
Category	OS2
APC version	8°
Number of fibres	1
Anti-kink sleeve	put-on
Type of connector connection 1	SC
Connector colour 1	green
Type of connector connection 2	LC
Connector colour 2	green

Mechanical characteristics

Max. Tension	100 N
Min. Bending radius (Static)	10xOD
Min. Bending radius (Dynamic)	20xOD

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Cable type	Duplex
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Cable Construction	simplex
Cable Ø	2.0 mm

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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

Insertion loss 1310nm	0,3 dB
Quality class singlemode	B/2 acc. IEC 61753-1

Standards, approvals, certifications

Cabling standard	ISO/IEC 11801;EN-50173-1
Cable Conform to Standard	IEC 60793-2

Available variants

Article no.	Title	Length
O2531.1	Simplex Fiber Optic Patch Cable LC/APC-SC/APC OS2 1m 2,0mm Yellow 9/125µm	1.0 m
O2531.1,5	Simplex Fiber Optic Patch Cable LC/APC-SC/APC OS2 1,5m 2,0mm Yellow 9/125µm	1.5 m
O2531.2	Simplex Fiber Optic Patch Cable LC/APC-SC/APC OS2 2m 2,0mm Yellow 9/125µm	2.0 m
O2531.2,5	Simplex Fiber Optic Patch Cable LC/APC-SC/APC OS2 2,5m 2,0mm Yellow 9/125µm	2.5 m
O2531.3	Simplex Fiber Optic Patch Cable LC/APC-SC/APC OS2 3m 2,0mm Yellow 9/125µm	3.0 m
O2531.5	Simplex Fiber Optic Patch Cable LC/APC-SC/APC OS2 5m 2,0mm Yellow 9/125µm	5.0 m
O2531.10	Simplex Fiber Optic Patch Cable LC/APC-SC/APC OS2 10m 2,0mm Yellow 9/125µm	10.0 m
O2531.15	Simplex Fiber Optic Patch Cable LC/APC-SC/APC OS2 15m 2,0mm Yellow 9/125µm	15.0 m
O2531.20	Simplex Fiber Optic Patch Cable LC/APC-SC/APC OS2 20m 2,0mm Yellow 9/125µm	20.0 m

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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]	1300 nm	1.5	1.5	1.5	1.5	1,5
	850 nm	3.5	3.5	3.5	3.5	3,5

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