

# DATASHEET

## Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2



### 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
Bend optimized fiber	no
Number of fibres	2
Anti-kink sleeve	put-on
Type of connector connection 1	LC-Duplex
APC version Connector 1	8°
Connector colour 1	green
Type of connector connection 2	LC-Duplex
APC version Connector 2	8°
Connector colour 2	green

### Mechanical characteristics

Max. Tension	160 N
Min. Bending radius (Static)	10xOD
Min. Bending radius (Dynamic)	20xOD

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### Cable construction

Cable type	I-V(ZN) H
Cable Construction	Duplex
Cable $\emptyset$	2.0 mm

### Cable sheath

Colour outer sheath	yellow
Jacket Material	LSZH
Flame retardant	According to EN 50265-2-1
Halogen free	acc. IEC60754-1
Low smoke	acc. IEC61034-1

### 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

Connector Conform to Standard	IEC 61754-20
Cable Conform to Standard	IEC 60793-2

### Available variants

Article no.	Title	Length
O0381.0,5	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 0.5m	0.5 m
O0381.1	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 1m	1.0 m
O0381.1,5	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 1.5m	1.5 m
O0381.2	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 2m	2.0 m
O0381.3	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 3m	3.0 m
O0381.5	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 5m	5.0 m
O0381.6	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 6m	6.0 m
O0381.7,5	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 7.5m	7.5 m
O0381.8	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 8m	8.0 m
O0381.10	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 10m	10.0 m
O0381.15	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 15m	15.0 m
O0381.20	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 20m	20.0 m
O0381.25	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 25m	25.0 m

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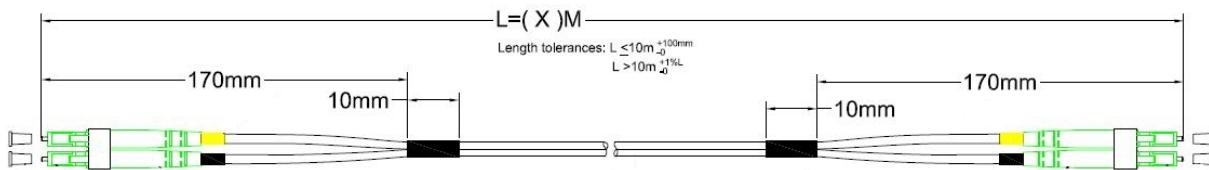


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## Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2

00381.30	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 30m	30.0 m
00381.35	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 35m	35.0 m
00381.40	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 40m	40.0 m
00381.45	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 45m	45.0 m
00381.50	Duplex Jumper LC/APC-LC/APC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 50m	50.0 m

### 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

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