

# DATASHEET

## Simplex Fiber Optic Patch Cable ST-ST OM1



### 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	Multimode 62.5/125
Category	OM1
Number of fibres	1
Anti-kink sleeve	put-on
Type of connector connection 1	ST
Type of connector connection 2	ST

### Cable construction

Cable type	Simplex
Cable Construction	Simplex
Cable Ø	3.0 mm

### Cable sheath

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

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### Environmental conditions

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

### Transmission characteristics

Quality class multimode	A/1 nach IEC-61753-222-2
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### Standards, approvals, certifications

Cable Conform to Standard	IEC 60793-2
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### Available variants

Article no.	Title	Length
O5023.2	Simplex Fiber Optic Patch Cable ST-ST OM1 2m 3,0mm Orange 62,5/125µm	2.0 m
O5023.3	Simplex Fiber Optic Patch Cable ST-ST OM1 3m 3,0mm Orange 62,5/125µm	3.0 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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