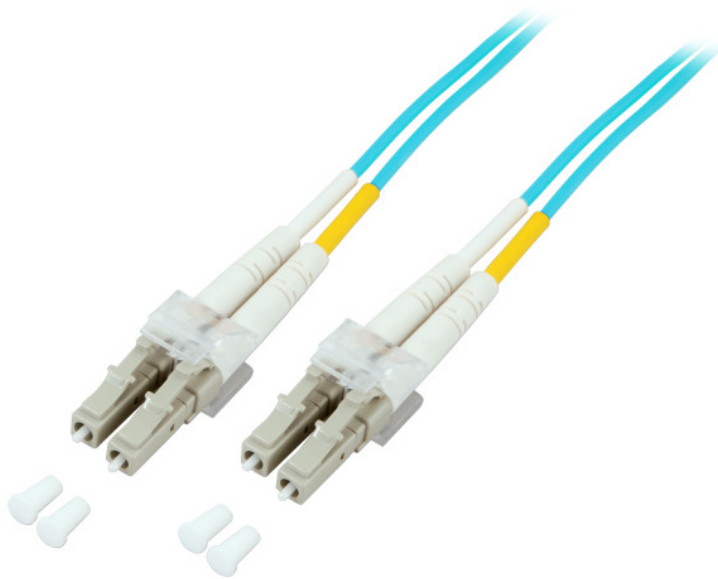


Duplex Jumper LC-LC 50/125µ, OM3, LSZH



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 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

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	Multimode 50/125
Category	OM3
Bend optimized fiber	OM3 acc. to IEC60793-2-10 type A1a.2 and A1a.3
Number of fibres	2
Anti-kink sleeve	put-on
Type of connector connection 1	LC-Duplex
Connector colour 1	beige
Type of connector connection 2	LC-Duplex
Connector colour 2	beige

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Mechanical characteristics

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

Mechanical characteristics

Min. Bending radius (Dynamic)	20xOD
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Cable construction

Cable type	Simplex
Cable Construction	Duplex
Cable Ø	2.0 mm

Cable sheath

Colour outer sheath	aqua
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 850nm	<0.2 dB
Quality class multimode	A/1 according to IEC-61753-222-2

Standards, approvals, certifications

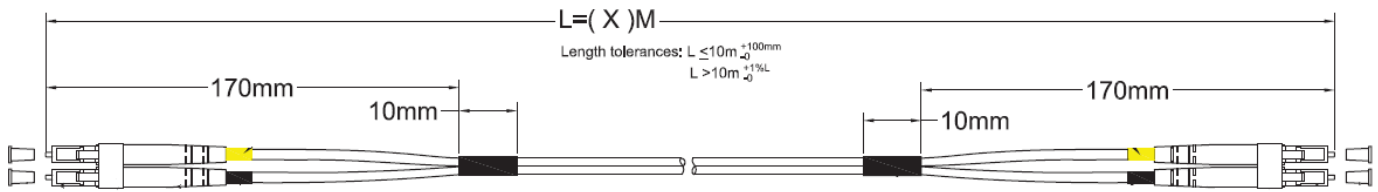
Connector Conform to Standard	IEC 61754-20
Cable Conform to Standard	IEC 60793-2

Available variants

Article no.	Title	Length	Length tolerance
O0312.0,5	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 0.5m	0.5 m	±5 %
O0312.1	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 1m	1.0 m	±5 %
O0312.2	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 2m	2.0 m	±5 %
O0312.3	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 3m	3.0 m	±5 %
O0312.5	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 5m	5.0 m	±5 %
O0312.7,5	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 7.5m	7.5 m	±5 %
O0312.10	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 10m	10.0 m	±5 %
O0312.15	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 15m	15.0 m	±5 %
O0312.20	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 20m	20.0 m	±5 %
O0312.25	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 25m	25.0 m	±5 %
O0312.30	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 30m	30.0 m	±5 %
O0312.35	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 35m	35.0 m	±5 %
O0312.40	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 40m	40.0 m	±5 %
O0312.45	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 45m	45.0 m	±5 %
O0312.50	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 50m	50.0 m	±5 %
O0312.100	Duplex Jumper LC-LC 50/125µ, OM3, LSZH, aqua, 2.0mm, 100m	100.0 m	±5 %

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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
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