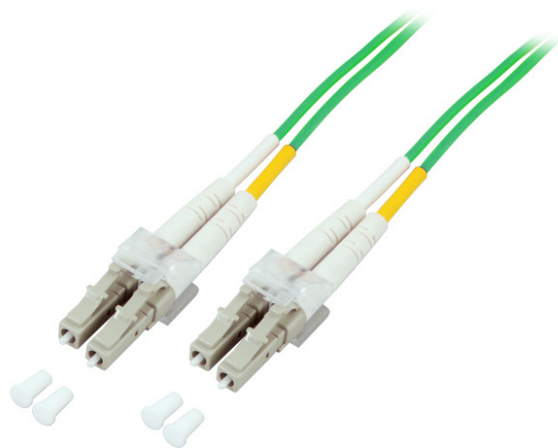


DATASHEET

Duplex Jumper LC-LC 50/125 μ , OM5



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	Multimode 50/125
Category	OM5
Bend optimized fiber	OM5 acc. to IEC60793-2-10 type A1a.4
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

Mechanical characteristics

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

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DATASHEET

Duplex Jumper LC-LC 50/125 μ , OM5

Mechanical characteristics

Min. Bending radius (Dynamic) | 20xOD

Cable construction

Cable type	Simplex
Cable Construction	Duplex
Cable \emptyset	2.0 mm

Cable sheath

Colour outer sheath	lime green
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 – 70 °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
O0319.0,5OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 0.5m	0.5 m	± 5 %
O0319.1OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 1m	1.0 m	± 5 %
O0319.2OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 2m	2.0 m	± 5 %
O0319.3OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 3m	3.0 m	± 5 %
O0319.5OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 5m	5.0 m	± 5 %
O0319.7,5OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 7.5m	7.5 m	± 5 %
O0319.10OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 10m	10.0 m	± 5 %
O0319.15OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 15m	15.0 m	± 5 %
O0319.20OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 20m	20.0 m	± 5 %
O0319.25OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 25m	25.0 m	± 5 %
O0319.30OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 30m	30.0 m	± 5 %

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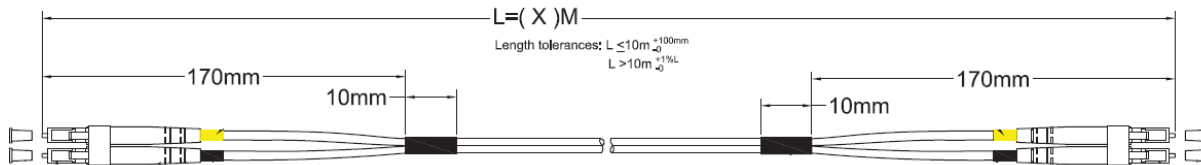


DATASHEET

Duplex Jumper LC-LC 50/125 μ , OM5

O0319.35OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 35m	35.0 m	±5 %
O0319.45OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 45m	35.0 m	±5 %
O0319.50OM5	Duplex Jumper LC-LC 50/125 μ , OM5, LSZH, lime green, 2.0mm, 50m	50.0 m	±5 %

Technical drawings



OM-Classification ISO/IEC 11801		OM1	OM2	OM3	OM4	OM5
Min. modal bandwidth with overfilled launch [MHz*km]	850 nm	200	500	1500	3500	4700
	1300 nm	500	500	500	500	2470
Min. modal bandwidth EMB (effective laser bandwidth) [MHz*km]	850 nm	n/s	n/s	2000	4700	n/s
	1300 nm	1.5	1.5	1.5	1.5	1,5
Attenuation[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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