DATASHEET

Duplex Jumper MTRJ-MTRJ, 50/125µ, OM2

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 50/125
Category	OM2
Bend optimized fiber	OM2 acc. to IEC60793-2-10 type A1a.1
Number of fibres	2
Anti-kink sleeve	put-on
Type of connector connection 1	MT-RJ
Connector colour 1	black
Type of connector connection 2	MT-RJ
Connector colour 2	black

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

Cable construction	
Cable type	I-V(ZN) H

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Cable construction	
Cable Construction	Duplex
Cable Ø	2.0 mm

Cable sheath	
Colour outer sheath	orange
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	<0,5 dB
Quality class multimode	A/1 according to IEC-61753-222-2

Standards, approvals, certifications	
Connector Conform to Standard	IEC 61754-18
Cable Conform to Standard	IEC 60793-2

Available variants

Article no.	Title	Length
O0700.1	Duplex Jumper MTRJ-MTRJ 50/125µ, OM2, LSZH, orange, 2.0mm, 1m	1.0 m
O0700.2	Duplex Jumper MTRJ-MTRJ 50/125µ, OM2, LSZH, orange, 2.0mm, 2m	2.0 m
O0700.3	Duplex Jumper MTRJ-MTRJ 50/125µ, OM2, LSZH, orange, 2.0mm, 3m	3.0 m
O0700.5	Duplex Jumper MTRJ-MTRJ 50/125µ, OM2, LSZH, orange, 2.0mm, 5m	5.0 m
O0700.6	Duplex Jumper MTRJ-MTRJ 50/125µ, OM2, LSZH, orange, 2.0mm, 6m	6.0 m
O0700.7,5	Duplex Jumper MTRJ-MTRJ 50/125µ, OM2, LSZH, orange, 2.0mm, 7.5m	7.5 m
O0700.10	Duplex Jumper MTRJ-MTRJ 50/125µ, OM2, LSZH, orange, 2.0mm, 10m	10.0 m
O0700.15	Duplex Jumper MTRJ-MTRJ 50/125µ, OM2, LSZH, orange, 2.0mm, 15m	15.0 m
O0700.20	Duplex Jumper MTRJ-MTRJ 50/125µ, OM2, LSZH, orange, 2.0mm, 20m	20.0 m
O0700.50	Duplex Jumper MTRJ-MTRJ 50/125µ, OM2, LSZH, orange, 2.0mm, 50m	50.0 m
O0700.80	Duplex Jumper MTRJ-MTRJ 50/125µ, OM2, LSZH, orange, 2.0mm, 80m	80.0 m

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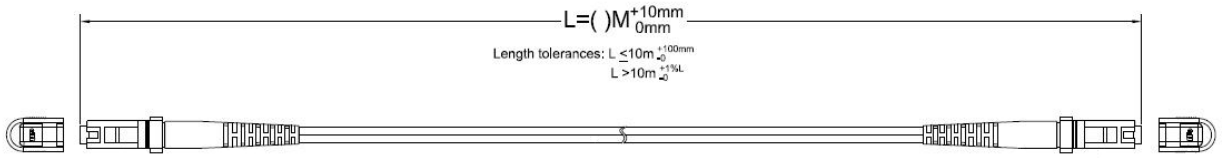
Technical drawings



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
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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