

DATASHEET

Duplex Jumper MTRJ-MTRJ, 50/125 μ , OM3



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	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	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 \varnothing	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	<0,5 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
O0650.1	Duplex Jumper MTRJ-MTRJ 50/125 μ , OM3, LSZH, aqua, 2.0mm, 1m	1.0 m
O0650.2	Duplex Jumper MTRJ-MTRJ 50/125 μ , OM3, LSZH, aqua, 2.0mm, 2m	2.0 m
O0650.3	Duplex Jumper MTRJ-MTRJ 50/125 μ , OM3, LSZH, aqua, 2.0mm, 3m	3.0 m
O0650.5	Duplex Jumper MTRJ-MTRJ 50/125 μ , OM3, LSZH, aqua, 2.0mm, 5m	5.0 m
O0650.7,5	Duplex Jumper MTRJ-MTRJ 50/125 μ , OM3, LSZH, aqua, 2.0mm, 7.5m	7.5 m
O0650.10	Duplex Jumper MTRJ-MTRJ 50/125 μ , OM3, LSZH, aqua, 2.0mm, 10m	10.0 m
O0650.15	Duplex Jumper MTRJ-MTRJ 50/125 μ , OM3, LSZH, aqua, 2.0mm, 15m	15.0 m
O0650.20	Duplex Jumper MTRJ-MTRJ 50/125 μ , OM3, LSZH, aqua, 2.0mm, 20m	20.0 m

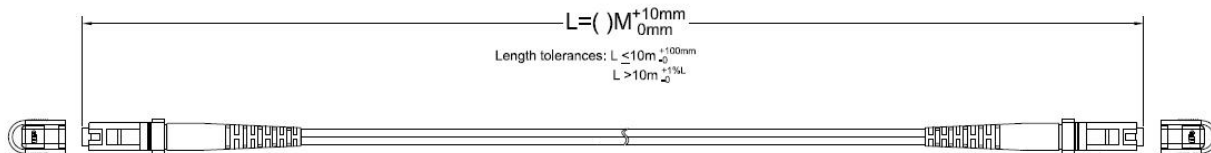
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Technical drawings



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
	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					

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