



# Patch Cords – Multimode

50  $\mu\text{m}$  OMx, SC, LC and ST

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## Features

- High performance 50  $\mu\text{m}$  OM2, OM3 and OM4 fibers
- SC, LC or ST connectors
- Halogen-free flame-retardant material (HFFR)

## Application

The HTSR 394+ series of multimode patch cords are designed to meet the standards mainly used in datacenter and general purpose local area network applications. The precision polished connectors ensures low insertion loss and lowest back reflection.

## Design

The HTSR 394+ series has an extended operating temperature range -30°C to +70°C. This makes them very stable over time in various environmental conditions.

The patch cords are designed with 0.9 mm tight buffered secondary coating and have a strength member of aramid yarn.

Outer jacket of halogen-free flame-retardant (HFFR) material giving excellent protection.

## Product Information

Patch cord diameter: 2 mm

## Technical Information

<b>Product Color</b>	OM3: Aqua, OM4: Violet
<b>Temperature, Operation [°C]</b>	-30 to +70
<b>Temperature, Storage [°C]</b>	-40 to +70
<b>Temperature, Installation [°C]</b>	-20 to +50
<b>Fiber Type</b>	OM2;OM3;OM4
<b>Insertion Loss, max [dB]</b>	SC: 30, LC: 30
<b>Return Loss, min [dB]</b>	SC: 30, LC: 30

## Conformance

IEC 61754 series: Fiber connector interfaces

IEC 61755 series: Fiber optic connector optical interfaces

IEC 61753 series: Fiber optical interconnecting devices and passive components performance standard

IEC 61300 series: Fiber optic interconnecting devices and passive components – basic test and measurement

IEC 60794-2-50: Indoor optical fiber cables for simplex and duplex cables for use in patch cords

OM1-OM5: Characteristics of MM optical fiber

IEC 60332-3-24: Test - flame propagation of Ø 2 mm patch cables installed vertically in shafts

UL1666

UL94 V-0: Flame resistance on connectors

## Technical Notes

Insertion loss measured according to IEC61300-3-4

Return loss measured according to IEC61300-3-6

## Articles 19

Article name	Color	No. of Fibers	Layout	Tensile Force, Installation [N]	Diameter Ø [mm]	Dimensions [mm]	Weight [kg]	Length [m]	Form of Delivery
Patch cable 2xOM3 LC/PC-LC/PC HTSR3940612/500	Aqua	2	LC-LC	≤30	2	2 × 2	0.024	0.5	Plastic Bag
Patch cable 2xOM3 LC/PC-LC/PC HTSR3940612/1000	Aqua	2	LC-LC	≤30	2	2 × 2	0.028	1	Plastic Bag
Patch cable 2xOM3 LC/PC-LC/PC HTSR3940612/2000	Aqua	2	LC-LC	≤30	2	2 × 2	0.036	2	Plastic Bag
Patch cable 2xOM3 LC/PC-LC/PC HTSR3940612/6000	Aqua	2	LC-LC	≤30	2	2 × 2	0.068	6	Plastic Bag
Patch cable 2xOM3 LC/PC-LC/PC HTSR3940612/10M	Aqua	2	LC-LC	≤30	2	2 × 2	0.1	10	Plastic Bag
Patch cable 2xOM3 LC/PC-LC/PC HTSR3940612/15M	Aqua	2	LC-LC	≤30	2	2 × 2	0.14	15	Plastic Bag
Patch cable 2xOM3 LC/PC-LC/PC HTSR3940612/7000	Aqua	2	LC-LC	≤30	2	2 × 2	0.076	7	Plastic Bag
Patch cable 2xOM3 LC/PC-LC/PC HTSR3940612/8000	Aqua	2	LC-LC	≤30	2	2 × 2	0.084	8	Plastic Bag
Patch cable 2xOM3 SC/PC-LC/PC HTSR3940615/2000	Aqua	2	SC-LC	≤30	2	2 × 2	0.036	2	Plastic Bag

Article name	Color	No. of Fibers	Layout	Tensile Force, Installation [N]	Diameter Ø [mm]	Dimensions [mm]	Weight [kg]	Length [m]	Form of Delivery
<b>Patch cable 2xOM3 SC/PC-LC/PC</b> HTSR3940615/3000	Aqua	2	SC-LC	≤30	2	2 × 2	0.044	3	Plastic Bag
<b>Patch cable 2xOM3 SC/PC-LC/PC</b> HTSR3940615/5000	Aqua	2	SC-LC	≤30	2	2 × 2	0.06	5	Plastic Bag
<b>Patch cable 2xOM3 SC/PC-LC/PC</b> HTSR3940615/7000	Aqua	2	SC-LC	≤30	2	2 × 2	0.076	7	Plastic Bag
<b>Patch cable 2xOM3 SC/PC-LC/PC</b> HTSR3940615/10M	Aqua	2	SC-LC	≤30	2	2 × 2	0.1	10	Plastic Bag
<b>Patch cable 2xOM3 SC/PC-LC/PC</b> HTSR3940615/15M	Aqua	2	SC-LC	≤30	2	2 × 2	0.15	15	Plastic Bag
<b>Patch cable 2xOM3 SC/PC-SC/PC</b> HTSR3940624/1000	Aqua	2	SC-SC	≤30	2	2 × 2	0.028	1	Plastic Bag
<b>Patch cable 2xOM3 SC/PC-SC/PC</b> HTSR3940624/2000	Aqua	2	SC-SC	≤30	2	2 × 2	0.036	2	Plastic Bag
<b>Patch cable 2xOM3 SC/PC-SC/PC</b> HTSR3940624/3000	Aqua	2	SC-SC	≤30	2	2 × 2	0.044	3	Plastic Bag
<b>Patch cable 2xOM3 SC/PC-SC/PC</b> HTSR3940624/5000	Aqua	2	SC-SC	≤30	2	2 × 2	0.06	5	Plastic Bag
<b>Patch cable 1xOM1 0.9 ST/UPC-ST/UPC</b> HTSR3940947/2000	Beige	1	ST-ST	≤30	0.9	–	0.015	2	Plastic Bag