

# Patch Cords

**Part No:**
**MT6AL4545-B series patch cords**

<b>Description</b>	26AWG, stranded, 4 pair, S/FTP individual foil screened, overall braided screened. PVC jacketed, patch cable terminated with screened RJ45 connectors and suitable for Cat6A based systems.
<b>Applicable Standards</b>	AS/NZS 1125, AS/NZS 3808, AS/CA-S008, ANSI/TIA-568-D, RoHS Directive 2011/65/EU
<b>Suitable Applications</b>	10BaseT, 100BaseT, 1000BaseT and 10GBase ethernet system patching.

**Images**


Image for illustration purposes only  
Refer to Supply information for actual colours


**Construction**

<b>Cable</b>	Type	S/FTP
	Performance	Cat6A <sup>1</sup>
	Stranding	AWG 26/7
	Individual Screen	Al/PET laminate
	Overall Screen	Al braid
	Jacket	PVC
	Cable OD	6mm Nom
<b>Termination</b>	Type	Screened RJ45
	Performance	Cat6A
	Colour	Clear jack with coloured boot

<sup>1</sup> When used with a compliant Permanent link with adequate performance margins.



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## Construction

Strain relief	Molded boot
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## Electrical Properties

Rated Voltage	80V
Max. Conductor DC Resistance @ 20°C	14.1Ω /100m
Min. Insulation Resistance @ 20°C	1000MΩ.km
Nom. Capacitance	52.5pF/m
Nom. Impedance	100 Ohm
Voltage Test: Core to Core	2.0 kV ac/1min
Voltage Test: Core to Screen	2.0 kV ac/1min

## Mechanical Properties

Operating Temperature Range	-20 to +60°C
Flame performance	IEC 60332-1
Sheath Printing	TBA

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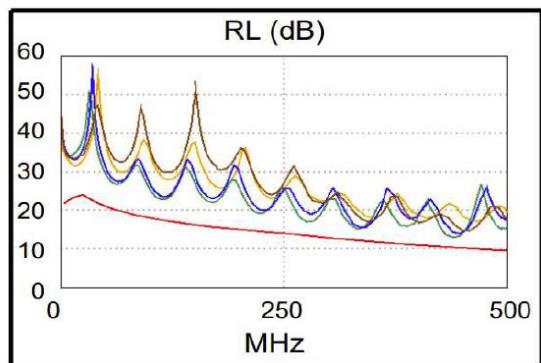
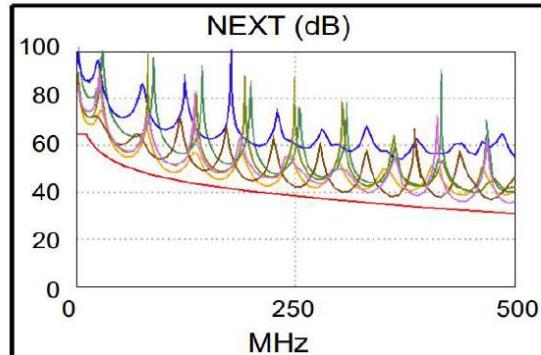
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## Typical Performance

	Worst Case Margin	Worst Case Value
<b>PASS</b>	MAIN	MAIN
Worst Pair	1.2-3.6	4.5-7.8
<b>NEXT (dB)</b>	2.9	4.3
Freq. (MHz)	216.0	492.0
Limit (dB)	39.9	31.2
<b>PASS</b>	MAIN	MAIN
Worst Pair	3.6	3.6
<b>RL (dB)</b>	2.3	2.3
Freq. (MHz)	437.0	437.0
Limit (dB)	10.4	10.4



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## Supply Information

Product No	Category	Screening	Colour	Length	Pack Type	Pack Size
MT6AL45450.25BEB	6A	S/FTP	Blue	0.25 m	Heat Sealed PE bag	1 unit
MT6AL45450.5BEB	6A	S/FTP	Blue	0.5 m	Heat Sealed PE bag	1 unit
MT6AL45451.0BEB	6A	S/FTP	Blue	1.0 m	Heat Sealed PE bag	1 unit
MT6AL45451.5BEB	6A	S/FTP	Blue	1.5 m	Heat Sealed PE bag	1 unit
MT6AL45452.0BEB	6A	S/FTP	Blue	2.0 m	Heat Sealed PE bag	1 unit
MT6AL45452.5BEB	6A	S/FTP	Blue	2.5 m	Heat Sealed PE bag	1 unit
MT6AL45453.0BEB	6A	S/FTP	Blue	3 m	Heat Sealed PE bag	1 unit
MT6AL45455.0BEB	6A	S/FTP	Blue	5 m	Heat Sealed PE bag	1 unit
MT6AL454510.0BEB	6A	S/FTP	Blue	10 m	Heat Sealed PE bag	1 unit
MT6AL454515.0BEB	6A	S/FTP	Blue	15 m	Heat Sealed PE bag	1 unit
MT6AL45450.25GNB	6A	S/FTP	Green	0.25 m	Heat Sealed PE bag	1 unit
MT6AL45450.5GNB	6A	S/FTP	Green	0.5 m	Heat Sealed PE bag	1 unit
MT6AL45451.0GNB	6A	S/FTP	Green	1.0 m	Heat Sealed PE bag	1 unit
MT6AL45451.5GNB	6A	S/FTP	Green	1.5 m	Heat Sealed PE bag	1 unit
MT6AL45452.0GNB	6A	S/FTP	Green	2.0 m	Heat Sealed PE bag	1 unit
MT6AL45452.5GNB	6A	S/FTP	Green	2.5 m	Heat Sealed PE bag	1 unit
MT6AL45453.0GNB	6A	S/FTP	Green	3 m	Heat Sealed PE bag	1 unit
MT6AL45455.0GNB	6A	S/FTP	Green	5 m	Heat Sealed PE bag	1 unit
MT6AL454510.0GNB	6A	S/FTP	Green	10 m	Heat Sealed PE bag	1 unit
MT6AL454515.0GNB	6A	S/FTP	Green	15 m	Heat Sealed PE bag	1 unit
MT6AL45450.25GYB	6A	S/FTP	Grey	0.25 m	Heat Sealed PE bag	1 unit
MT6AL45450.5GYB	6A	S/FTP	Grey	0.5 m	Heat Sealed PE bag	1 unit
MT6AL45451.0GYB	6A	S/FTP	Grey	1.0 m	Heat Sealed PE bag	1 unit
MT6AL45451.5GYB	6A	S/FTP	Grey	1.5 m	Heat Sealed PE bag	1 unit
MT6AL45452.0GYB	6A	S/FTP	Grey	2.0 m	Heat Sealed PE bag	1 unit
MT6AL45452.5GYB	6A	S/FTP	Grey	2.5 m	Heat Sealed PE bag	1 unit
MT6AL45453.0GYB	6A	S/FTP	Grey	3 m	Heat Sealed PE bag	1 unit

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MT6AL454510.0GYB	6A	S/FTP	Grey	10 m	Heat Sealed PE bag	1 unit
MT6AL454515.0GYB	6A	S/FTP	Grey	15 m	Heat Sealed PE bag	1 unit

## Change Record

Issue	Date	Prepared By	Approved By
02	18-12-2024	GK	GK
01	28-10-2022	GK	GK

- Madison reserves the right to make changes to the products described in this specification without prior notice
- All values subject to factory tolerances

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