

Patch Cords



Part No:	MT6AL4545-B series patch cords
Description	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.
Applicable Standards	AS/NZS 1125, AS/NZS 3808, AS/CA-S008, ANSI/TIA-568-D, RoHS Directive 2011/65/EU
Suitable Applications	10BaseT, 100BaseT, 1000BaseT and 10GBase ethernet system patching.

Images

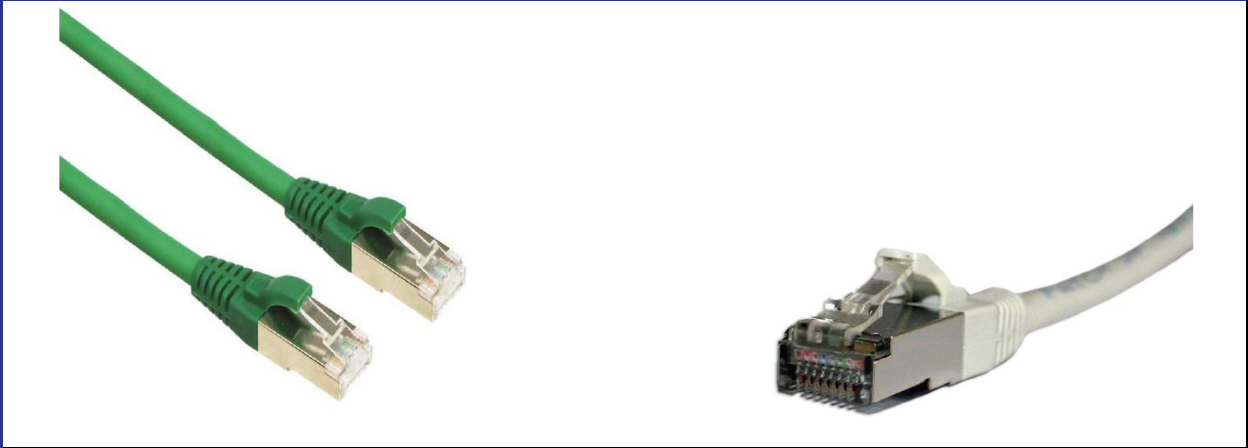



Image for Illustration purposes only
Refer to Supply information for actual colours



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

¹ When used with a compliant Permanent link with adequate performance margins.

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Construction

Strain relief

Molded boot

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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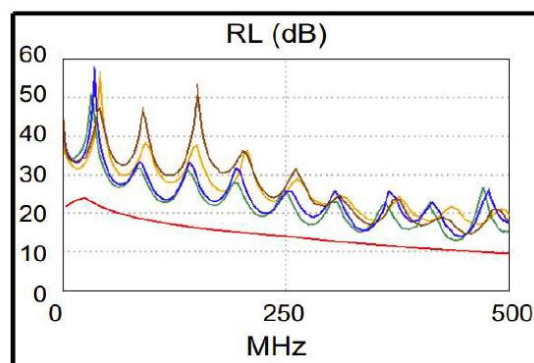
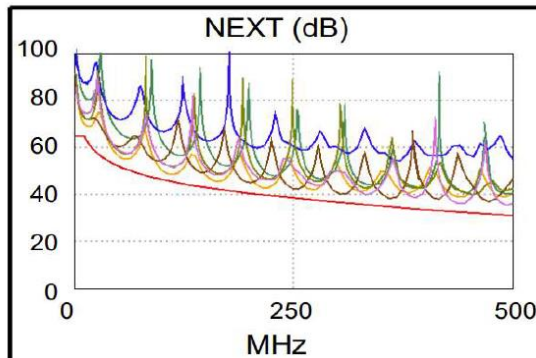
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Typical Performance

	Worst Case Margin	Worst Case Value
PASS	MAIN	MAIN
Worst Pair	1,2-3,6	4,5-7,8
NEXT (dB)	2.9	4.3
Freq. (MHz)	216.0	492.0
Limit (dB)	39.9	31.2
PASS	MAIN	MAIN
Worst Pair	3,6	3,6
RL (dB)	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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MT6AL45455.0GYB	6A	S/FTP	Grey	5 m	Heat Sealed PE bag	1 unit	
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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