


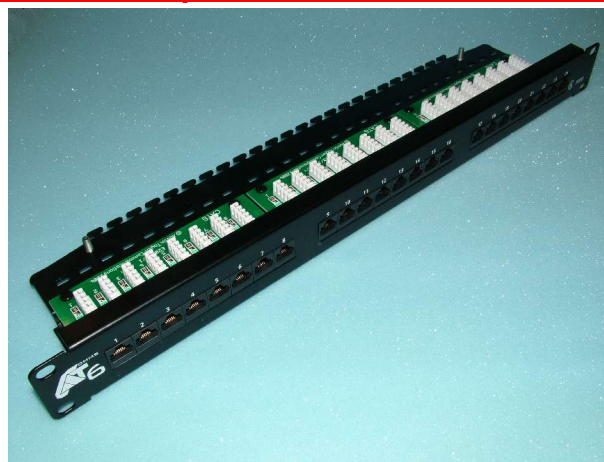
Category 6 Channel and Component Solutions

Introducing the Austin Taylor Tested Category 6 Channel Solution

Category 6 structured cabling systems offer many advantages over Category 5e systems. Firstly the improved rating and performance of all the components means that your network connections will be more reliable. There will be less errors and therefore less time will be lost repeating sent data.

As well as immediate improvements in your current network (no matter what speed it currently runs at), Category 6 offers future proofing. Its extended bandwidth and flexibility enables new applications and connecting hardware to be developed, allowing Austin Taylor Cat 6 installations to support applications for many years to come.

When used in combination as a full channel system, our range of carefully chosen, designed and manufactured Category 6 components form a UL tested basis for any structured cabling system, yet maintain compatibility with  Cat 5e products.



Category 6 Patch Panel

Designed to the latest ratified Cat6 standards, these panels offer superior throughput compared with Category 5e components, whilst still maintaining a compact format. The 16 and 24 ports variants are presented as a single row, within a single 19" rack U format, whilst 32 and 48 port panels are presented as a double row, fitting into just 1 1/2 U.

Each panel is supplied with a fixing and earthing kit and adhesive label field for individual port identification.

The integral cable management area provides fixing points for each cable. The fixing points are designed for maximum ease of use.

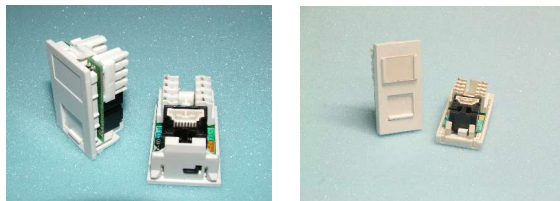
Simply fit the cable ties loosely to the cable, slide over the fixing point and tighten.

The finish is semi-gloss black.



Category 6 Modules

Available in both 25x50mm and LJ6C formats, these 'clip in' modules are fully compatible with the full range of Austin Taylor faceplates and backboxes.



Category 6 Cable

Traditional Category 6 cable feature a plastic separator running the length of the cable to divide the individual wire pairs. This makes the cable bulkier and less flexible than Category 5e.

Thanks to precision control of manufacture Austin Taylor's Category 6 cable omits the need for such a separator, meaning that the cable remains compact and flexible.



Category 6 Patch Cords

Available in three popular lengths, our patch cords feature a novel flexible anti-snag device that prevents cords from catching and jamming when being drawn.

Technical Summary

Fully tested and UL approved to:
 TIA/EIA 568b.2-1
 ISO/IEC JTC 1/SC 25 11801:2002
 Krone style LSA terminations
 Colour coded to TIA/EIA 568B
 Compatibility with existing Austin Taylor ATNet Products

Ordering

Description	Part No	Carton
Patch Panel 16 Port CAT6	9PAN205291	10
Patch Panel 24 Port CAT6	9PAN205231	10
Patch Panel 32 Port CAT6	9PAN205301	10
Patch Panel 48 Port CAT6	9PAN205311	10
Module 25x50 CAT6	9CLI205261	50
Module LJ6C CAT6	9CLI205221	50
Patch Cord CAT6 Grey 1.0M	9CAB601000	10
Patch Cord CAT6 Grey 2.0M	9CAB602000	10
Patch Cord CAT6 Grey 3.0M	9CAB603000	10
Patch Cord CAT6 Grey 5.0M	9CAB605000	10
Cable 305M (1000ft) CAT6 UTP	9CAB600305	1

Accessories	Part No	Carton
19" Blanking Panel	9PAN200421	1
19" Cable Management Panel	9PAN203881	1
Faceplate Single LJ6C	9CP2002601	100
Faceplate Twin LJ6C	9CP2002701	100
Faceplate Quad LJ6C	9CP2002801	100
LJ6C Blank	9LFU189881	100
Faceplate Twin 25x50	9CP2006901	100
Faceplate Quad 25x50	9CP2007001	100
25x50 Blank	9LFU200710	100
Backbox Single 29 deep	9BAS197101	100
Backbox Single 42 deep	9BAS192071	100
Backbox Double 29 deep	9BAS201021	100
Backbox Double 34 deep	9BAS201031	100
Backbox Double 42 deep	9BAS201041	100

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BS EN ISO 9001
 Reg No: Q5117



Category 6 Channel Performance

Performance

The Austin Taylor Category 6 components have passed stringent testing for conformance to TIA/EIA 568b.2-1 and ISO/IEC JTC 23 11801:2002 for use as a Channel system by Underwriters Laboratory.

The highlights of the testing performance are shown here.

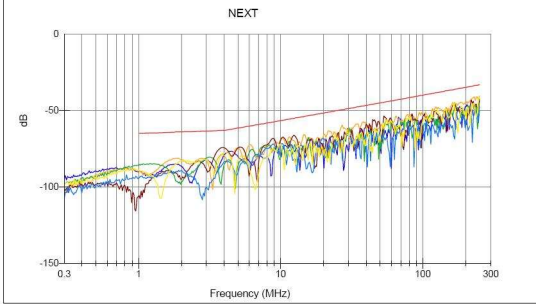


Disclaimer

Results shown are those provided by Underwriters Laboratory under the requirements of the relevant test specifications.

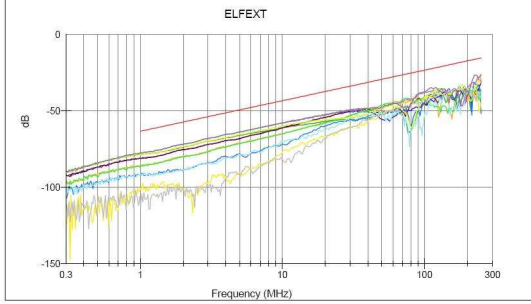
They are not necessarily representative for any particular installation, which should be tested independently on installation.

Limit Margin : 7.300 dB @ 229.842 MHz



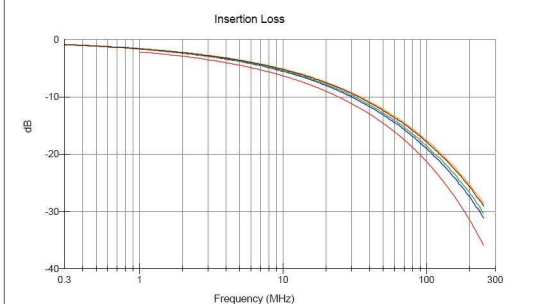
NEXT

Limit Margin : 10.200 dB @ 226.010 MHz



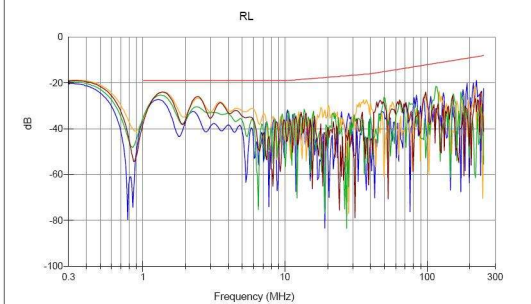
ELFEXT

Limit Margin : 0.500 dB @ 1.132 MHz



Insertion Loss

Limit Margin : 4.900 dB @ 1.386 MHz



Return Loss

Datasheet

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