

CAT6a Shielded Plugs **Stewart Connector**

SS-39200 Series CAT6a Shielded Plugs

Features / Benefits

- Ideal for creating superior high performance CAT6a patch cables in 10Gigabit Ethernet applications where high density routers and switches are employed
- Mechanical design features wire aligner and management bar combo to guarantee consistent twisted pair orientation during plug assembly
- Meets CAT6a performance requirements per ANSI/TIA-568-B.2-10 and IEC 60603-7-51
- Robust shield termination and strain relief allow for one-step termination process
- Optional slim line boot features integrated strain relief and latch protection
- Selectively plated contacts with 50 micro-inches (1.27 μ m) of gold
- UL 94-V0 plastic components
- RoHS compliant

Part Number	Boot	Cable Diameter Range
SS-39200-020	Black	.220" - .240" [5.59mm - 6.10mm]
SS-39200-021	Boot not included	.220" - .240" [5.59mm - 6.10mm]
SS-39200-022	Black	.230" - .250" [5.84mm - 6.35mm]
SS-39200-023	Boot not included	.230" - .250" [5.84mm - 6.35mm]



Bel Stewart's SS-39200 Series of shielded plugs is designed for use on CAT6a patch cables in premise wiring systems. Engineered to meet the 500 MHz requirements of CAT6a specifications, the SS-39200

plugs offer robust shield terminations and strain relief which allow for a one-step termination process and provide a 360° connection between the cable shield and plug shield. The SS-39200 Series' high performance is achieved through an innovative mechanical design featuring a wire aligner and management bar combination that guarantees consistent twisted pair orientation during plug assembly. The wire aligner includes a patent-pending "cross talk zone" where a precise amount of cross talk is introduced to the plug allowing for centered near end cross talk (NEXT) performance on pairs 3,6 - 4,5 according to ANSI/TIA-568-B.2-10 and IEC 60603-7-51 standards. This wire aligner feature also provides the cable assembler with a visual and mechanical means for building consistent assemblies capable of delivering CAT6a performance. As a result, operator efficiency in building patch cables improves immediately and over the long term, and productivity is much higher than with typical CAT6 or CAT6a plug assemblies. For increased space efficiency, the boot design of the plug does not increase the overall width, making the SS-39200 Series ideal for use in high-density routers and switches.

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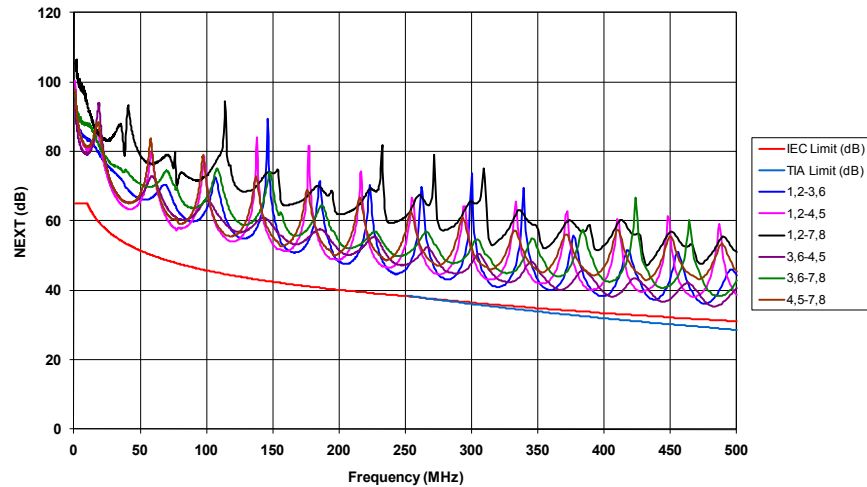
CAT6a Shielded Plugs



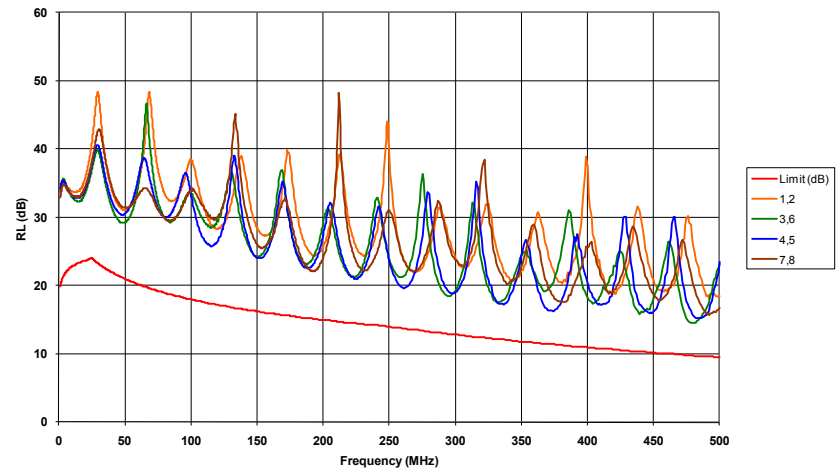
COMPONENTS FOR A
CONNECTED
PLANET®

Stewart Connector

Typical Patch Cord NEXT
3 Meter CAT6a Shielded Patch Cord
Using Bel Stewart CAT6a Shielded Plug



Typical Patch Cord RL
3 Meter CAT6a Shielded Patch Cord
Using Bel Stewart CAT6a Shielded Plug



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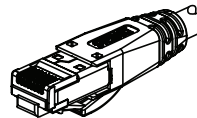
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Performance data for Bel Stewart's SS-39200 Series of shielded plugs clearly demonstrates a significant NEXT margin over the TIA limit and the more stringent IEC limit. This is achieved through a designed headroom which allows for both assembly and cable variations while still maintaining excellent margins.

With superior performance and one-step termination, this RoHS-compliant plug is a very cost effective CAT6a solution.



ISOMETRIC VIEW OF
TERMINATED PLUG

