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# Modular Plugs for Specialty Cables



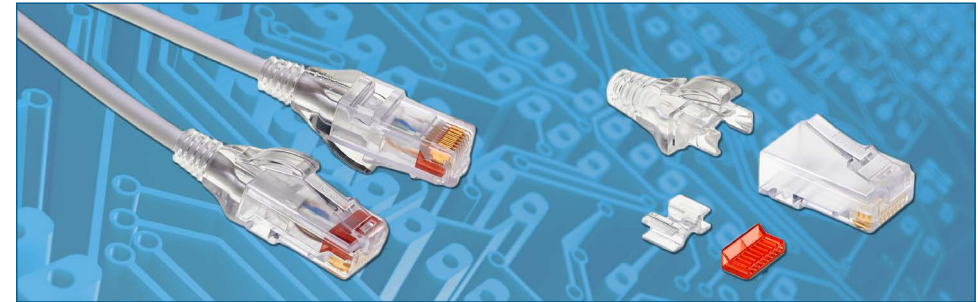
Loadbar and wire aligner system provide for consistent assembly and stable electrical performance.

## CAT6a Large Diameter Plugs

- Field installable plug for cable conductors up to 0.048" and overall diameters up to .295"
- Suitable for CAT6a and CAT6 applications delivering 10G Base-T and Gigabit Ethernet
- Low profile design allows for use in high density switches and routers
- Anti-snap boot prevents plug tab damage during installation
- Packaging available for both field installation and factory terminations
- Can be used to terminate both shielded and unshielded cabling

Part Number	Performance	Conductor Diameter	Cable Diameter	Packaging
SS-39200-027	CAT6a	.042"-.048" [1.07 - 1.22]	.270"-.295" [6.86 - 7.49]	Individually Bagged
SS-39200-030	CAT6a	.042"-.048" [1.07 - 1.22]	.270"-.295" [6.86 - 7.49]	Bulk

Stewart Connector's Large Diameter modular plug is designed to terminate directly to CAT6a and CAT6 large diameter solid conductor cabling. Typical modular plugs are designed for use on patch cable assemblies and therefore are designed to terminate to stranded conductors of wire sizes from AWG 24 through AWG 26. However, in many direct connect, or consolidation point applications where link lengths exceed 10 Meters, a horizontal cable type is specified. Horizontal cable is normally made with solid conductor copper wire in the diameter range of AWG 23 through AWG 24. This larger copper size translates into larger conductor diameters which make terminating to a traditional modular plug problematic. Stewart's unique loadbar and contact design accommodates this large diameter cabling in the form factor of a standard RJ45 plug. To learn more visit [www.stewartconnector.com](http://www.stewartconnector.com).



Loadbar and wire aligner system provide for consistent assembly and stable electrical performance.

## CAT6 Small Diameter Plugs

- Accommodates a cable diameter up to .160"
- Accommodates AWG 28 and AWG 30 copper conductors with overall insulated conductor diameters of 0.025" – 0.030"
- Proprietary contact design reliably terminates solid or stranded conductors
- 50 µm Gold plated electro-polished contacts
- Capable of field or factory terminations with standard Stewart crimp tools

Part Number	Performance	Conductor Diameter	Cable Diameter	Packaging
SS-39100-039	CAT6	.025"-.030" [0.64 - 0.76]	.160" [4.06] Max	Bulk

Stewart Connector's CAT6 UTP modular plug allows users to build patch cables using small diameter AWG28 and AWG30 cabling. Most traditional patch cables are built using AWG 24 and AWG 26 cable, so industry standard plug designs are not suitable to terminate to smaller AWG28 and AWG30 cable. The Stewart design uses a unique, proprietary contact design and wire alignment system to insure proper cable to plug terminations providing reliable long term connections. The wire manager included in the plug kit allows for precise conductor placement which results in repeatable consistent assemblies and patch cord performance. Included in the plug kit is a new low profile boot design which accommodates smaller diameter cable and strain relief protection from exceeding cable manufacturer's minimum bend radius requirements. To learn more visit [www.stewartconnector.com](http://www.stewartconnector.com).

# Stewart Connector Modular Plug Quick Reference Guide

Part Number	Performance	Shield	Strain Relief Boot	Cable Diameter	Conductor Diameter	Low Volume Terminations	High Volume Factory Terminations		Termination Instructions
						Installation Hand Tool Kit	Production Hand Tool	Production Die Set	
<a href="#">SS-39100-028</a>	CAT6a	No	Slimline Included	.300" [7.62] Max	.033"-.038" [0.84 - 0.97]	2990003-01	2940231-01	2905014-01	<a href="#">MN390014.PDF</a>
<a href="#">SS-39100-029</a>	CAT6a	No	Not Included	.235" [5.97] Max	.037"-.042" [0.94 - 1.07]	2990003-01	2940231-01	2905014-01	<a href="#">MN390014.PDF</a>
<a href="#">SS-39100-030</a>	CAT6a	No	Not Included	.235" [5.97] Max	.033"-.038" [0.84 - 0.97]	2990003-01	2940231-01	2905014-01	<a href="#">MN390014.PDF</a>
<a href="#">SS-39100-031</a>	CAT6a	No	Slimline Included	.300" [7.62] Max	.037"-.042" [0.94 - 1.07]	2990003-01	2940231-01	2905014-01	<a href="#">MN390014.PDF</a>
<a href="#">SS-39200-020</a>	CAT6a	Yes	Slimline Included	.220"-.240" [5.59 - 6.10]	.037"-.042" [0.94 - 1.07]	N/A	2980070-01*		<a href="#">MN390011.PDF</a>
<a href="#">SS-39200-021</a>	CAT6a	Yes	Not Included	.220"-.240" [5.59 - 6.10]	.037"-.042" [0.94 - 1.07]	N/A	2980070-01*		<a href="#">MN390011.PDF</a>
<a href="#">SS-39200-022</a>	CAT6a	Yes	Slimline Included	.230"-.250" [5.84 - 6.35]	.037"-.042" [0.94 - 1.07]	N/A	2980075-01*		<a href="#">MN390011.PDF</a>
<a href="#">SS-39200-023</a>	CAT6a	Yes	Not Included	.230"-.250" [5.84 - 6.35]	.037"-.042" [0.94 - 1.07]	N/A	2980075-01*		<a href="#">MN390011.PDF</a>
<a href="#">SS-39200-024</a>	CAT6a	Yes	Slimline Included	.230"-.250" [5.84 - 6.35]	.033"-.038" [0.84 - 0.97]	N/A	2980075-01*		<a href="#">MN390011.PDF</a>
<a href="#">SS-39200-027</a>	CAT6a	Yes	Slimline Included	.270"-.295" [6.86 - 7.49]	.042"-.048" [1.07 - 1.22]	N/A	2980078-01*		<a href="#">MN390015.PDF</a>
<a href="#">SS-39100-008</a>	CAT6	No	Slimline Included	.220"-.230" [5.59 - 5.84]	.037"-.042" [0.94 - 1.07]	2990009-01	2940231-01	2905029-01	<a href="#">MN390006.PDF</a>
<a href="#">SS-39100-011</a>	CAT6	No	Slimline Included	.240"-.250" [6.10 - 6.35]	.037"-.042" [0.94 - 1.07]	2990009-01	2940231-01	2905029-01	<a href="#">MN390006.PDF</a>
<a href="#">SS-39100-021</a>	CAT6	No	Not included - See boot PN: 450-034	.235" [5.97] Max	.037"-.042" [0.94 - 1.07]	2990003-01	2940231-01	2905014-01	<a href="#">MN390010.PDF</a>
<a href="#">SS-39100-039</a>	CAT6	No	Slimline Included	.160" [4.06] Max	.025"-.030" [0.64 - 0.76]	2990003-01	2940231-01	2905014-01	<a href="#">MN390017.PDF</a>
<a href="#">SS-39200-010</a>	CAT6	Yes	Not Included	.240"-.260" [6.10 - 6.60]	.037"-.042" [0.94 - 1.07]	N/A	2980075-01*		<a href="#">MN390009.PDF</a>
<a href="#">SS-39200-011</a>	CAT6	Yes	Included	.232"-.248" [5.90 - 6.30]	.037"-.042" [0.94 - 1.07]	N/A	2980075-01*		<a href="#">MN390009.PDF</a>
<a href="#">SS-39200-012</a>	CAT6	Yes	Not Included	.220"-.240" [5.59 - 6.10]	.037"-.042" [0.94 - 1.07]	N/A	2980070-01*		<a href="#">MN390009.PDF</a>
<a href="#">SS-39200-015</a>	CAT6	Yes	Included	.220"-.240" [5.59 - 6.10]	.037"-.042" [0.94 - 1.07]	N/A	2980070-01*		<a href="#">MN390009.PDF</a>
<a href="#">SS-39200-019</a>	CAT6	Yes	Not included - See boot PN: 39200-883	.270"-.295" [6.86 - 7.49]	.037"-.042" [0.94 - 1.07]	N/A	2980078-01*		<a href="#">MN390009.PDF</a>
<a href="#">SS-37000-007</a>	CAT5E	No	Not included - See boot PN: 450-034	.235" [5.97] Max	.037"-.042" [0.94 - 1.07]	2990003-01	2940231-01	2905014-01	<a href="#">MN370053.PDF</a>
<a href="#">SS-37000-009</a>	CAT5E	No	Not included - See boot PN: 450-034	.235" [5.97] Max	.042"-.048" [1.07 - 1.22]	2990003-01	2940231-01	2905014-01	<a href="#">MN370053.PDF</a>
<a href="#">SS-37200-028</a>	CAT5E	Yes	Not included - See boot PN: 450-011	.235" [5.97] Max	.037"-.042" [0.94 - 1.07]	2990003-01	2940231-01	2905014-01	<a href="#">MN370058.PDF</a>
<a href="#">940-SP-3088R-A133</a>	Cat5 / T1	No	Not included - See boot PN: 450-011	.235" [5.97] Max	.035"-.040" [0.89 - 1.02]	2990003-01	2940231-01	2905005-01	<a href="#">MN300015.PDF</a>

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Termination Instructions available at [stewartconnector.com](http://stewartconnector.com)

\* Tool kits including Hand Tool and Die Set

Stewart has the widest selection of high performance modular plugs available on the market today, visit [stewartconnector.com](http://stewartconnector.com) for our full product line offering.