

CAT6a Large Diameter Modular Plugs



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

Features & Benefits

- 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

Bel Stewart Connector's new 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 28. 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. Bel 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.belstewart.com.



Bel Stewart Connector Modular Plug Quick Reference Guide



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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	
SS-39100-028	CAT6a	No	Slimline Included	.300" [7.62] Max	.033"-.038" [0.84 - 0.97]	2990003-01	2940231-01	2905014-01	MN390014.PDF
SS-39100-029	CAT6a	No	Not Included	.235" [5.97] Max	.037"-.042" [0.94 - 1.07]	2990003-01	2940231-01	2905014-01	MN390014.PDF
SS-39100-030	CAT6a	No	Not Included	.235" [5.97] Max	.033"-.038" [0.84 - 0.97]	2990003-01	2940231-01	2905014-01	MN390014.PDF
SS-39100-031	CAT6a	No	Slimline Included	.300" [7.62] Max	.037"-.042" [0.94 - 1.07]	2990003-01	2940231-01	2905014-01	MN390014.PDF
SS-39200-020	CAT6a	Yes	Slimline Included	.220"-.240" [5.59 - 6.10]	.037"-.042" [0.94 - 1.07]	N/A	2980070-01*		MN390011.PDF
SS-39200-021	CAT6a	Yes	Not Included	.220"-.240" [5.59 - 6.10]	.037"-.042" [0.94 - 1.07]	N/A	2980070-01*		MN390011.PDF
SS-39200-022	CAT6a	Yes	Slimline Included	.230"-.250" [5.84 - 6.35]	.037"-.042" [0.94 - 1.07]	N/A	2980075-01*		MN390011.PDF
SS-39200-023	CAT6a	Yes	Not Included	.230"-.250" [5.84 - 6.35]	.037"-.042" [0.94 - 1.07]	N/A	2980075-01*		MN390011.PDF
SS-39200-024	CAT6a	Yes	Slimline Included	.230"-.250" [5.84 - 6.35]	.033"-.038" [0.84 - 0.97]	N/A	2980075-01*		MN390011.PDF
SS-39200-027	CAT6a	Yes	Slimline Included	.270"-.295" [6.86 - 7.49]	.042"-.048" [1.07 - 1.22]	N/A	2980078-01*		MN390015.PDF
SS-39100-008	CAT6	No	Slimline Included	.220"-.230" [5.59 - 5.84]	.037"-.042" [0.94 - 1.07]	2990009-01	2940231-01	2905029-01	MN390006.PDF
SS-39100-011	CAT6	No	Slimline Included	.240"-.250" [6.10 - 6.35]	.037"-.042" [0.94 - 1.07]	2990009-01	2940231-01	2905029-01	MN390006.PDF
SS-39100-021	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	MN390010.PDF
SS-39200-010	CAT6	Yes	Not Included	.240"-.260" [6.10 - 6.60]	.037"-.042" [0.94 - 1.07]	N/A	2980075-01*		MN390009.PDF
SS-39200-011	CAT6	Yes	Included	.232"-.248" [5.90 - 6.30]	.037"-.042" [0.94 - 1.07]	N/A	2980075-01*		MN390009.PDF
SS-39200-012	CAT6	Yes	Not Included	.220"-.240" [5.59 - 6.10]	.037"-.042" [0.94 - 1.07]	N/A	2980070-01*		MN390009.PDF
SS-39200-015	CAT6	Yes	Included	.220"-.240" [5.59 - 6.10]	.037"-.042" [0.94 - 1.07]	N/A	2980070-01*		MN390009.PDF
SS-39200-019	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*		MN390009.PDF
SS-37000-007	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	MN370053.PDF
SS-37000-009	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	MN370053.PDF
SS-37200-028	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	MN370058.PDF
940-SP-3088R-A133	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	MN300015.PDF

* Tool kits including Hand Tool and Die Set



Bel Stewart has the widest selection of high performance modular plugs available on the market today, visit www.belstewart.com for our full product line offering.

Mouser Electronics

Authorized Distributor

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Bel:

[2980078-01](#) [2905029-01](#) [2905014-01](#) [2980075-01](#) [2980070-01](#)