

# Modular Plugs for Specialty Cables

## Small Diameter Plugs CAT6a and CAT6

Stewart Connector's CAT6a and CAT 6 FUTP/UTP modular plugs allow 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.

### Key Features

- Accommodates a cable diameter up to 0.210"
- Accommodates AWG 28 and AWG 30 copper conductors with overall insulated
- Conductor diameters of 0.025" – 0.033"
- Proprietary contact design reliably terminates solid or stranded conductors
- 50 µin Gold plated electro-polished contacts
- Capable of field or factory terminations with standard Stewart crimp tools



Part Number	Performance	Shielded	Optional Strain Relief Boot	Cable Diameter	Conductor Diameter
SS-39100-039	CAT6	No	Slimline Included	0.160" [4.06] MAX	0.025" - 0.030" [0.64 - 0.46]
SS-39200-044	CAT6	Yes	39100-888 (Slimline)	0.210" [5.33] MAX	0.025" - 0.030" [0.64 - 0.46]
SS-39200-055	CAT6a	Yes	Slimline Included	0.210" [5.33] MAX	0.028" - 0.033" [0.71 - 0.84]
SS-39100-049	CAT6a	No	39100-888 (Slimline)	0.210" [5.26] MAX	0.028" - 0.033" [0.7 - 0.84]



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