

## SY® Power Connectors and Contact Tips

The **SY® Power Connector** is designed for use as a power quick-disconnect in automotive, RV, and marine applications, as well as other high-current DC charging circuits.

SY® connector housings are genderless and mechanically keyed by color—connectors of the same color and size are mated together by simply flipping one over. The keyed design visually and physically prevents accidental cross-mating.

### Features

- UL rated for 600 volts
- Single-piece impact-resistant Polycarbonate Lexan® housings
- Superior tolerance to extreme cold and heat
- Solid copper contacts are plated with 99.9% pure silver for maximum conductivity with low resistance
- Unique “ramplock” action allows contacts to be easily mated yet securely locked in position
- Integral tempered 301 stainless steel springs maintain constant pressure on the contacts to ensure consistent, low resistance connections and resist vibration arcing
- Self cleaning design keeps conductive surfaces corrosion-free
- Heat-treated, flared barrels readily accept fine stranded wire

### Applications

- Marine, auto, and RV accessories
- Jumper cables and harnesses
- Equipment and Service Trucks
- Allows one connection system to meet multiple needs



-20°C TO 105°C



### Contacts



50 Amp	
Part Number	Gauge
SY50-TIP-10	10-12 gauge
SY50-TIP-8	8 gauge
SY50-TIP-6	6 gauge

120 Amp	
Part Number	Gauge
SY120-TIP-6	6 gauge
SY120-TIP-4	4 gauge
SY120-TIP-2	2 gauge

175 Amp	
Part Number	Gauge
SY175-TIP-6	6 gauge
SY175-TIP-4	4 gauge
SY175-TIP-2	2 gauge
SY175-TIP-1	1 gauge
SY175-TIP-1/0	1/0 gauge

350 Amp	
Part Number	Gauge
SY350-TIP-1/0	1/0 gauge
SY350-TIP-2/0	2/0 gauge
SY350-TIP-3/0	3/0 gauge
SY350-TIP-4/0	4/0 gauge

### Housings

#### 50 Amp

Part Number	Color
SY50-GRY	Gray
SY50-RED	Red
SY50-BLK	Black
SY50-BLU	Blue
SY50-YEL	Yellow

#### 120 Amp

Part Number	Color
SY120-GRY	Gray
SY120-RED	Red
SY120-BLU	Blue

#### 175 Amp

Part Number	Color
SY175-GRY	Gray
SY175-BLU	Blue
SY175-ORG	Orange
SY175-YEL	Yellow
SY175-RED	Red

#### 350 Amp

Part Number	Color
SY350-GRY	Gray
SY350-BLU	Blue
SY350-RED	Red
SY350-GRN	Green
SY350-ORG	Orange
SY350-YEL	Yellow



**Power Connector Service Kit**  
available on page 68



## Custom Power Connector Cables, Protective Covers



### Protective SY Covers

#### Black Polycarbonate Cover

Housing Size	Part Number
175 Amp	STC905
350 Amp	STC906

#### Black Rubber Cover

Housing Size	Part Number
350 Amp	STC902-BLK
175 Amp	STC903-BLK
50 Amp	STC904-BLK

#### Red Rubber Cover

Housing Size	Part Number
350 Amp	STC902-RED
175 Amp	STC903-RED
50 Amp	STC904-RED



### Custom Power Connector Cables

Polar Wire Cables and Harness Systems are built with premium cold weather **Arctic Ultraflex Blue®** and **Arctic Superflex Blue®** flexible wire.

Get the specific cable configurations you need, properly crimped and shrink sealed for best performance and longevity. Quality checked at every step. Fast turnaround. Call us to order!

