



## SSX 19 pin series the best ever made.

We redesigned it in all, to graft it better, to wire it faster, to make it indestructible, to make it safer, to make it the most beautiful ...  
Socapex comp (series 419).  
UL compliant

Syntax<sup>®</sup>, no compromise.



### Heavy duty version

#### Steering wheels and panel

The SYNTAX<sup>®</sup> SSX series aluminum alloy connectors are extremely robust. Chloroprene rubber insert with high insulation for greater protection and easier insertion and replacement of contacts. Sealing of connectors coupled with IP67 degree. Features of this connector are the new design of the ring nut for greater mechanical protection and better grip and the 7 advanced ground power contacts that guarantee, during connection and disconnection, that the first to be carried out and the last to be interrupted is the mass contact.

The SYNTAX<sup>®</sup> SSX 19 "series is compatible with the Socapex 419 series.

**SSX19FP** female panel ([picture 1](#)) - **SSX19FV** female steering wheel ([photo 2](#))

**SSX19MP** male panel ([photo 3](#)) - **SSX19MV** male steering wheel ([photo 4](#))

Flying connectors - Related products: **Power supply cables**

19 x 1.5 mm<sup>2</sup> - Code 7ZF1915T

19 x 2.5 mm<sup>2</sup> - Code 7ZF1925HP

19 x 2.5 mm<sup>2</sup> - Code 7ZF1925T

19 x 2.5 mm<sup>2</sup> - Code 7ZF1925PUR

12 x 2.5 mm<sup>2</sup> - Code 7ZF1225T

[SYNTAX<sup>®</sup> Energy Cables](#)

Photo [1](#) [2](#) [3](#) [4](#)

Attachments [ssx\\_overall\\_size.pdf](#)

### Version with ergonomic ring

#### Steering wheel and panel

Available ring colors: Black - Silver - Gold - Red ([photo 1](#))

Male panel ([photo 2](#)) - Flying male ([photo 3](#))

Flying connectors - Related products: **Power supply cables**

19 x 1.5 mm<sup>2</sup> - Code 7ZF1915T

19 x 2.5 mm<sup>2</sup> - Code 7ZF1925HP

19 x 2.5 mm<sup>2</sup> - Code 7ZF1925T

19 x 2.5 mm<sup>2</sup> - Code 7ZF1925PUR

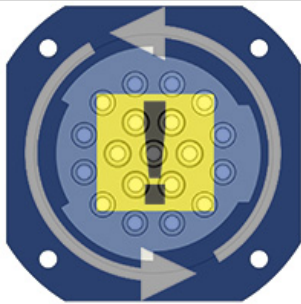
12 x 2.5 mm<sup>2</sup> - Code 7ZF1225T

[SYNTAX® Energy Cables](#)

Photo

1 2 3

[Attachment: see overall size.pdf](#)



## New anti-rotation system

### New high-precision design of the anti-rotation system

Starting from 2012, all Syntax SSX series connectors, both male and female, are equipped with an exclusive system designed and made to prevent the rotation of the insulating insert inside the connector body. The anti-rotation system has 4 large keys + 4 smaller ones on the insert, located at 45 degrees from each other and connected with the same number of keys on the metal housing. This system provides additional locking security, given the large size of the keys, thus resolving an old problem. The Syntax anti-rotation device was designed in 2011 and is present on all SSX connectors produced since 2012. The new design is a 2018 update

Photo

1 2 3

## SSX 19 pin - Features



A - Anti-rotation screw hole

B - Anti-rotation insert

C - Safety insulation

D - Anti-rotation screw

E - Double backshell clamping system

F - M40 cable clamp (15-32 mm)

## Features and assembly

**Steering female clamping (Photo 1)** - On the standard female steering wheel version there is a hexagonal flange to tighten the toolholder and to obtain a secure fixing once the wiring operations are finished. **Double clamping system (Photo 2)** - At the end of the wiring operations, the circular knurling and the milling on the edge of the backshell help to make it easier to block. Milling suitable for the insertion of key (SVKT-KSW) and reliefs with accentuated grip for the use of the belt wrench (SVKT-KSTRAP). **Safety insulation (Photo 3)** - Total electrical safety! A thermoplastic sleeve is inserted inside the



metal shell of the connector for double insulation.

**Protection cap (Photo 4)** - It is provided a housing for anchoring the cap by means of the special 7-strand stainless steel cable covered with Teflon (supplied with the cap). **Anti-rotation screw (Photo 5)** - The coupling is obtained by rotating male and female connectors clockwise. Because the backshell is counterclockwise tightened, the special anti-twisting grain prevents accidental unscrewing of the connector body during connection operations.

Photo

1 2 3 4 5



## Colored grafting ferrules

### Rubber

coated new **rubber** coated ring nut now also available for the SSX 19 and 16 pin series connectors. 4 colors available on request for faster identification of cables through color coding: black (standard), red, blue and yellow. Under the rubber coating, we have retained the characteristics of the universally appreciated "heavy-duty" metal ferrule, which has set a new standard in the industry for strength and durability. The accurate design of the locking ring ensures optimal grip over the entire circumference and easy coupling.

### Anodized metal rings



Colors available on request:

Blue - Red - Yellow - Green - Purple (Photo 3)

Purple - Green - Yellow - Silver - Red (Photo 4)

Photo [1](#) [2](#) [3](#) [4](#) [5](#)

## New female contacts with rounded edges

### A reference point on mechanical perfection

The new design of the standard SSX female contacts presents a rounded shape of the contact input ports and allows insertion of the contact inside the insulating insert without damage.

The new design of the standard female contacts eliminates the need to use lubricants or guide pins to insert contacts, greatly reducing assembly time

Attachments [ssx\\_contatti\\_femmina\\_bordo\\_arrotondato.pdf](#)



## New female contact version

### PATENT

#### An innovation for the SSX series

This new version of the Syntax female contact provides for the adoption of a mechanical solution that allows a better contact performance. This solution consists of the adoption of a metal containment capsule. In fact, through the encapsulation of the female contact, significant advantages are obtained on the mechanical and electrical plane: - improved electrical conductivity; - lower operating temperature; - auto-centric contacts for maximum smoothness in the connection; - greater number of coupling cycles.

Attachments [ssx\\_contatti\\_rinforzati.pdf](#)

## Advanced ground contacts

The outermost position of the 7 central contacts, for greater safety during the connection phase, guarantees that the first one to be carried out and the last one to be interrupted is the mass contact.



### Earth connection (optional accessory)

Two rings connect in parallel the 6 ground center contacts (standard wiring for light circuits).

Code: SSXCMGRG (golden) - SSXCMGRS (silvered)

Photo [1](#) [2](#)



## Grommets 4, 6, 8 holes for Spider SSX



SYNTAX® SSX SPIDER connectors are alternative versions of standard 19-pin SSX flying connectors, designed for quick and easy management of breakout applications. The Syntax patented 4, 6 or 8-way rubber cable glands, mounted in the cable gland, ensure optimal cable tightness and an IP67 watertight seal for outdoor use. For assembly with 6 cables, the use of the Syntax® MAINFLEX cable is recommended for complete IP67 waterproof protection and the best maneuverability. Spider connector SSX 16 pin motor with grommet 4 ways M40 (photos 1 - 2)  
 Spider connector SSX 19 pin lighting with grommet 6 ways M50 (photo 3 - 4)  
 Spider connector SSX 16 pin speaker with grommet 8 ways M50 (photo 5 - 6)

Photo [1](#) [2](#) [3](#) [4](#) [5](#) [6](#)

Attachments [ssx\\_grommets\\_spiders.pdf](#)

### Assemblaggio spider

- A** - Inserto anti-rotazione
- B** - Isolante di sicurezza
- C** - Vite anti-giro
- D** - Sistema di serraggio doppio backshell
- E** - Backshell maggiorato per cablaggio più facile
- F** - Pressacavo M50
- G** - Grommet a 6 fori
- H** - Cavo Syntax® Mainflex



Foto [1](#) [2](#) [3](#)

## SSX 16 pin Speaker / Motor connector

This version of the SSX connector is used in the Speaker and Motor applications. Comes with 16 contacts and 3 anti-dust blind pins.

Associated products

Speaker cable 16 x 4.0 mm<sup>2</sup> - Code 7Z16SX40

[SYNTAX® Speaker Cables](#)

Photo [1](#) [2](#) [3](#)

Attachments [ssx\\_16pin\\_overall\\_size.pdf](#)



## Metric cable gland for the SSX series

One connector and three cable gland options on the same body

Thread size M 40 x 1.5

For the Reduced type a cable diameter from 15 to 23 mm

For the Normal type a cable diameter from 19 to 28 mm

For the Thickened type a cable diameter from 22 to 32 mm

Photo [1](#) [2](#)

Attachments [SSX\\_pressacavo\\_.pdf](#)

## S2W 2-Way Splitter Box

With Syntax® SSX 19-pin connectors



The S2W Splitter Box with 19-pin Syntax® SSX connectors (Soca standard) is available with silver or gold-plated contacts. Both the standard and the reverse versions are available.

The reverse version differs from the standard version only for the position in which the INPUT connector is assembled (in reverse the INPUT is in line with one of the OUTPUT).

#### Silver contacts

1 IN power, 2 x OUT Power, standard, code: **S2WSXCS000S**

1 IN power, 2 x OUT Power, reverse, code: **S2WSXCS000R Gold**

#### contacts

1 IN power, 2 x OUT Power, standard, code: **S2WSXCG000S**

1 IN power, 2 x OUT Power, reverse, code: **S2WSXCG000R**

For the version with safety lacing, add " -L" At the end of the code

Photo  1  2

Attachments [ssx\\_splitter\\_box.pdf](#)



## SSX 19 pin - Cables

### Extensions, spiders and splitters

Derivators, extensions and spiders: our interpretation of wiring materials. Custom made to manage light systems, with easy and safe wiring!

## SP19M6FBL-010 (1mt) - 015 (1,5mt) - 020 (2mt)

### Spider - Splitter

|  |
|--|
| 1 x Cod. SSX19MVYSCMS - (Syntax SSX19 maschio) |
|--|

|  |
|--|
| 6 x Cod. YS182 - (CEE 16A 230V 3P femmina) |
|--|

|   |
|---|
| mt ... Cod. 7ZM0325 - Cavo Syntax 3x2.5 mm <sup>2</sup> |
|---|

Foto  1



## SP6M19FBL-010 (1mt) - 015 (1,5mt) - 020 (2mt)

### Spider - Splitter

|  |
|--|
| 6 x Cod. YS150 - (CEE 16A 230V 3P maschio) |
|--|

|  |
|--|
| 1 x Cod. SSX19FV-SCMS - (Syntax SSX19 femmina) |
|--|

|   |
|---|
| mt ... Cod. 7ZFM325 - Cavo Syntax 3x2.5 mm <sup>2</sup> |
|---|

Foto  1



## EC19P25-L...

### Prolunghe


|   |                    |                      |
|---|--------------------|----------------------|
| 1 x Cod. SSX19MVYSCMPN - (Syntax SSX19 maschio) | <b>EC19P25-L10</b> | lunghezza cavo 10 mt |
|---|--------------------|----------------------|

|   |                    |                      |
|---|--------------------|----------------------|
| 1 x Cod. SSX19FV-SCMPN - (Syntax SSX19 femmina) | <b>EC19P25-L20</b> | lunghezza cavo 20 mt |
|---|--------------------|----------------------|

|  |                     |                             |
|--|---------------------|-----------------------------|
| mt ... Cod. 7ZF1925 - Cavo Syntax 19x2.5 mm <sup>2</sup> | <b>EC19P25-L...</b> | lunghezza cavo su richiesta |
|--|---------------------|-----------------------------|

Foto  1



- Compliant  **E302043**
- IP67-IEC 529 protection
- Saline atmosphere resistance 96 h IEC 68-21-11
- Working temperature -55 ° C to + 125 ° C
- Aluminum alloy body
- Available finish: anodized or black painted
- Insert in thermoplastic rubber
- Cable entry protection: Metric M 40
- Spider, cable entry protection: Metric M 50
- Gold-plated or silver-plated contacts to crimp or weld

- [connettori serie SSX.pdf](#)

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