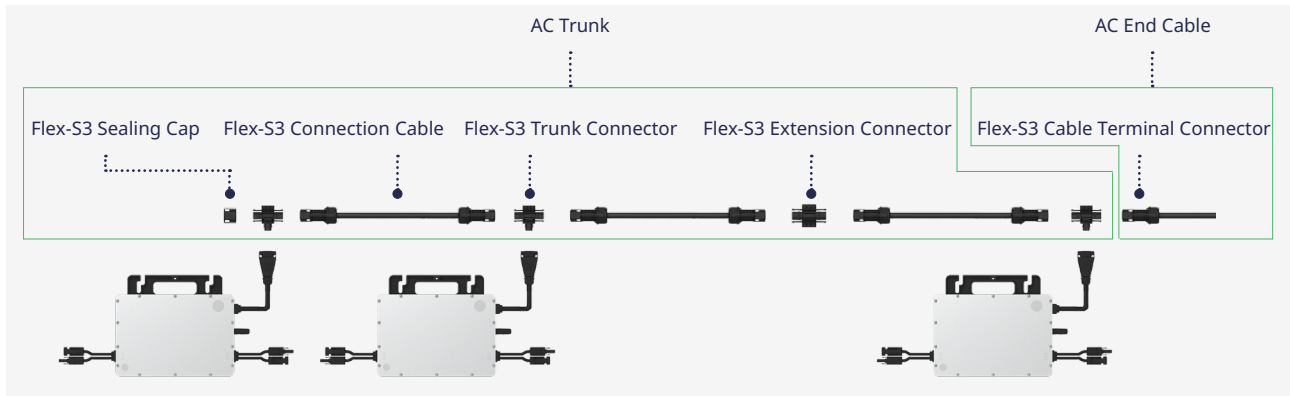


# Flex-S3 Cable Accessories

| SIMPLIFY YOUR INSTALLATION WITH EASY & FLEXIBLE & RELIABLE CABLE SYSTEM

The Flex-S3 Cable System is a revolutionary cabling solution designed for the HMS series microinverters. Its user-friendly plug-and-play design makes the installation easier, faster, and more reliable. The Flex-S3 Cable System also features high flexibility, allowing you to mix and match Flex-S3 Connection Cables of different sizes or lengths to achieve your desired wiring configuration at the lowest cost.



## Time-saving & Cost-effective

- Plug-and-play design eliminates the need for complex wiring and crimping, cutting installation time by 70%
- Handle current up to 40 A, allowing more microinverters to be connected in series and lowering system costs



## Compatibility

- Work seamlessly with the current HMS series microinverters



## Flexibility

- Provide great flexibility for AC Trunk design that caters to the specific requirements of your PV system
- Work with Flex-S3 Connection Cables of different cable sizes



## Reliability

- Improved internal design reduces connection resistance
- Plug-and-play assembly minimizes the risk of errors during field installation

### Flex-S3 Connection Cable

Make a customized AC Trunk by utilizing Flex-S3 Trunk Connectors and Flex-S3 Extension Connectors.



### Flex-S3 Trunk Connector

Used to connect the microinverter's AC output to the AC Trunk, as well as to join together multiple Flex-S3 Connection Cables to create the AC Trunk.



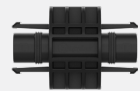
### Flex-S3 Cable Terminal Connector

Used to form an AC cable into the AC End Cable, completing the connection between the AC Trunk and the distribution box. It supports a maximum cable diameter of 16.5 mm.



### Flex-S3 Extension Connector

Used to extend your cable runs when the distance between two microinverters exceeds the standard length of a Flex-S3 Connection Cable.



### Flex-S3 Sealing Cap

Used to cover the unused connection port on the Flex-S3 Trunk Connector, which is typically located at the beginning of the AC Trunk.



### Flex-S3 Disconnect Tool

A versatile tool that can be used to take apart connectors, tighten nuts, and loosen nuts.



## Technical Specifications

### Connector System Parameter

Compatible microinverter	HMS series
Pin number	2P + PE
Rated voltage	300 V
Rated current	40 A
Max. supported conductor sizes	10 AWG
Max. supported cable outer diameter	0.65 inch (16.5 mm)
Ambient temperature range	-40°F to 185°F (-40°C to +85°C)
Protection degree	NEMA Type 6P (IP68)
Flame resistance degree	UL94-V0
Compliance	RoHS
Product standard	IEC 61984

### Cable Parameter

Cable type	TC-ER
Rated voltage	600 V
Conductor size	12 AWG / 10 AWG
Cable flame rating	VTFT
Ambient temperature range	-40°F to 194°F (-40°C to +90°C)
Compliance	RoHS, UV Resistant
Product standard	UL44, UL1277, UL1581

## Ordering Options

Name	Model	Number per Box	Box Dimensions
Flex-S3 Sealing Cap	S3-SC	500 PCS	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
Flex-S3 Trunk Connector	S3-TC-EN	200 PCS	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
Flex-S3 Extension Connector	S3-EC-EN	200 PCS	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
Flex-S3 Disconnect Tool	S3-DT	200 PCS	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
Flex-S3 Cable Terminal Connector	S3-CTC-NA1210C	200 PCS	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)

Name	Model	Conductors Cross Sectional Area	Rated Current @55 °C*	Cable Length Between Connectors**	Minimum Bending Radius	Number per Box	Box Dimensions
Flex-S3 Connection Cable	S3-CC-NA12-110	3 × 12 AWG	20 A	3.61 ft. (1.1 m)	2.36 inches (6 cm)	TBD	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
	S3-CC-NA12-200	3 × 12 AWG	20 A	6.56 ft. (2.0 m)	2.36 inches (6 cm)	TBD	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
	S3-CC-NA12-230	3 × 12 AWG	20 A	7.55 ft. (2.3 m)	2.36 inches (6 cm)	TBD	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
	S3-CC-NA12-300	3 × 12 AWG	20 A	9.84 ft. (3.0 m)	2.36 inches (6 cm)	TBD	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
	S3-CC-NA12-460	3 × 12 AWG	20 A	15.09 ft. (4.6 m)	2.36 inches (6 cm)	TBD	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
	S3-CC-NA10-110	3 × 10 AWG	30 A	3.61 ft. (1.1 m)	2.76 inches (7 cm)	TBD	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
	S3-CC-NA10-200	3 × 10 AWG	30 A	6.56 ft. (2.0 m)	2.76 inches (7 cm)	TBD	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
	S3-CC-NA10-230	3 × 10 AWG	30 A	7.55 ft. (2.3 m)	2.76 inches (7 cm)	TBD	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
	S3-CC-NA10-300	3 × 10 AWG	30 A	9.84 ft. (3.0 m)	2.76 inches (7 cm)	TBD	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)
	S3-CC-NA10-460	3 × 10 AWG	30 A	15.09 ft. (4.6 m)	2.76 inches (7 cm)	TBD	18.9 × 13.9 × 10.4 inches (480 × 354 × 265 mm)

\*: The value provided is typical at 55°C and may change at different temperatures. For calculating the actual current capacity of the cable at other temperatures, refer to the 'Calculating the Current-Carrying Capacity of Cables in Single-Phase Cable System'. Be sure to follow local standards when designing and installing cables.

\*\* : Cable length is customizable. For more details, please contact the Hoymiles sales team.