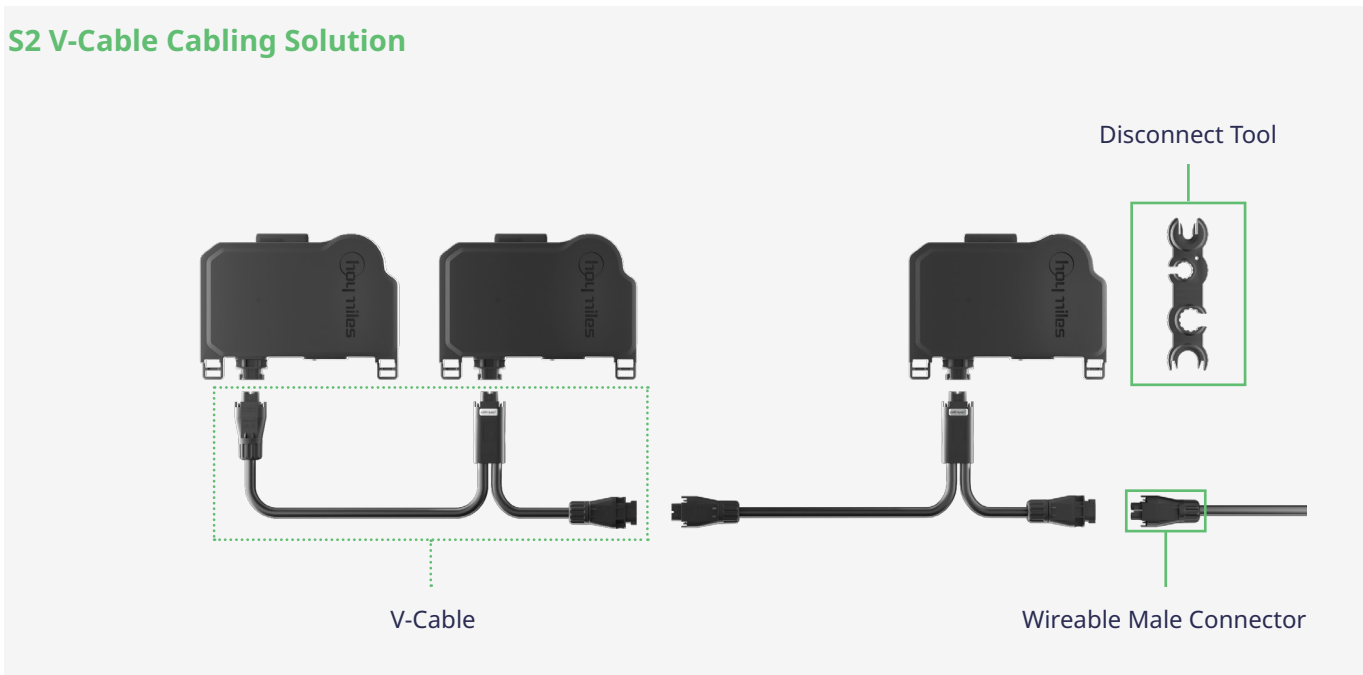


S2 Cable Accessories

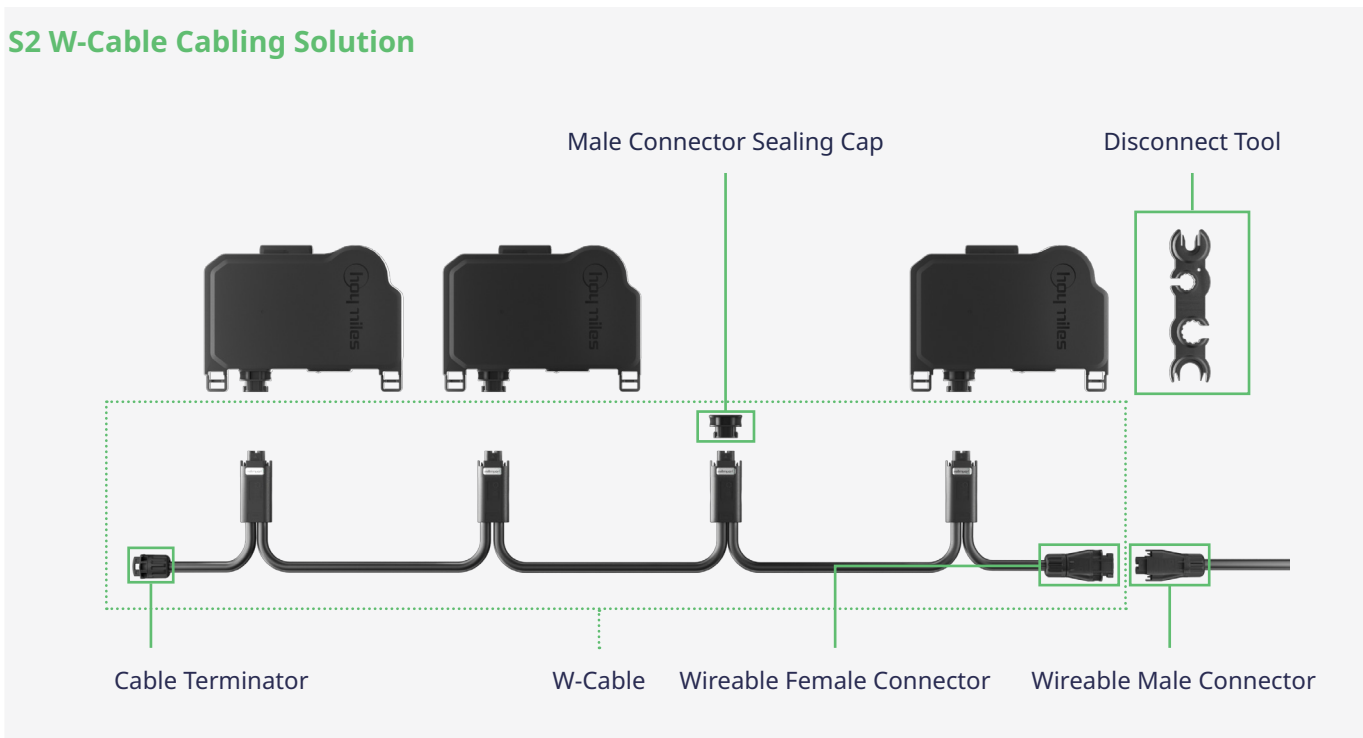
Simplify Your Installation with Easy, Flexible, and Reliable Cable System

Tailored for Hoymiles MIS series microinverters, the S2 Cable System offers an innovative two-wire solution. This design makes it lighter and more cost-effective than ever. It comes with two options: V-Cable Cabling Solution and W-Cable Cabling Solution. These options offer flexibility and affordability with different accessory combinations. Additionally, the S2 Cable System is designed to be plug-and-play, ensuring a faster, easier, and more reliable installation.

S2 V-Cable Cabling Solution



S2 W-Cable Cabling Solution



Cabling Accessories



V-Cable

It is a cable with three pre-installed plug-and-play connectors. It can be customized to different lengths, which is handy when the microinverter installation distances differ.



W-Cable

It is a long cable with pre-installed plug-and-play connectors. Each connector can be used to connect a microinverter, which reduces costs. The W-Cable is lighter than ever and makes cable management easier and more efficient.



Wireable Female Connector

It can be used with the Wireable Male Connector to extend the jumper. It can also be used to create the AC End Cable in the W-Cable system.



Wireable Male Connector

In a multi-microinverter system, it is used to create the AC End Cable in the V-Cable system and can be used to create the AC End Cable in the W-Cable system. In a single-microinverter system, it connects the microinverter to the grid.



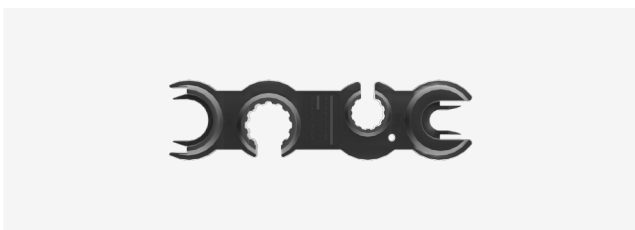
Cable Terminator

It terminates cables for waterproofing in the W-Cable system. It can be used at one end or both ends of the AC output line, depending on the point of connection between the microinverter system and the power grid.*



Male Connector Sealing Cap

It is used in the W-Cable system to protect any unused connectors on the AC output line.



Disconnect Tool

It is used to disconnect both AC and DC connectors and to loosen nuts on connectors.

*: For details, see the diagrams in "Application" on the last page.

Technical Specifications

V-Cable and W-Cable

Rated voltage	450 V (Connector rating up to 300 V)
Ambient temperature range	-40°C to +90°C
Protection rating	IP68 (1 m, 1 h)
Cable type	PV07AC-F
Conductor size	2.5 / 4 mm ²
Cable flame rating	VW-1
Compliance	RoHS, UV Resistant
Standard	2PFG 1940 (raw cables), IEC 61984 (connectors, Cable Terminator, and Male Connector Sealing Cap)

Connectors

Pin number	L + N
Rated voltage	300 V
Maximum current	40 A
Supported conductor size	2.5 / 4 mm ²
Supported cable outer diameter	9.5 to 11.5 mm
Ambient temperature range	-40°C to +90°C
Protection rating	IP68 (1 m, 1 h)
Flame rating	UL94-V0
Compliance	RoHS, UV Resistant
Standard	IEC 61984

Ordering Options

V-Cable Model	Conductors Cross Sectional Area	Rated Current @55 °C*	Cable Length Between Connectors	Minimum Bending Radius	Quantity Per Box	Box Dimensions
S2 VCable-EN25-160	2 × 2.5 mm ²	25 A	1.6 m	7 cm	TBD	345 × 345 × 375 mm
S2 VCable-EN25-280	2 × 2.5 mm ²	25 A	2.8 m	7 cm	TBD	345 × 345 × 375 mm
S2 VCable-EN40-160	2 × 4 mm ²	34 A	1.6 m	7 cm	TBD	345 × 345 × 375 mm
S2 VCable-EN40-280	2 × 4 mm ²	34 A	2.8 m	7 cm	TBD	345 × 345 × 375 mm

W-Cable Model	Conductors Cross Sectional Area	Rated Current @55 °C*	Total Length of Cable	Minimum Bending Radius	Connectors and Cables Per Cabling	Box Dimensions
S2 WCable-120-EN25-160	2 × 2.5 mm ²	25 A	1.6 m	7 cm	120, 120	1035 × 345 × 375 mm
S2 WCable-60-EN25-280	2 × 2.5 mm ²	25 A	2.8 m	7 cm	60, 60	1035 × 345 × 375 mm
S2 WCable-120-EN40-160	2 × 4 mm ²	34 A	1.6 m	7 cm	120, 120	1035 × 345 × 375 mm
S2 WCable-60-EN40-280	2 × 4 mm ²	34 A	2.8 m	7 cm	60, 60	1035 × 345 × 375 mm

Connector Model	Quantity Per Box	Box Dimensions
S2 Wireable Male Connector-EN2540C	TBD	345 × 345 × 375 mm
S2 Wireable Female Connector-EN2540C	TBD	345 × 345 × 375 mm
S2 Cable Terminator-EN	TBD	345 × 345 × 375 mm
S2 Male Connector Sealing Cap	TBD	345 × 345 × 375 mm
S2 Disconnect Tool	TBD	345 × 345 × 375 mm

*: The given value is typical at 55°C temperature and may differ at different temperatures. To calculate the actual current carrying capacity of the cable at other temperatures, refer to the technical note 'Calculating the Current-Carrying Capacity of Cables in a Single-Phase System'. Please comply with local standards when designing and installing cables.

Application

