



Game Changing Solutions for Solar Cable Management





Changing the Game in Solar Cable Management

Our engineers have designed a range of simple, fast and long-lasting solutions which change the game in utility scale solar cable management.

Whether you are managing feeder or string cables, on a tracker or fixed tilt project, we have a range of direct fix and messenger cable solutions, specifically engineered to offer best in class wiring reliability, install speed and project safety.



Best in Class Cable Protection



Safe On Site Working



Fast Easy Installation

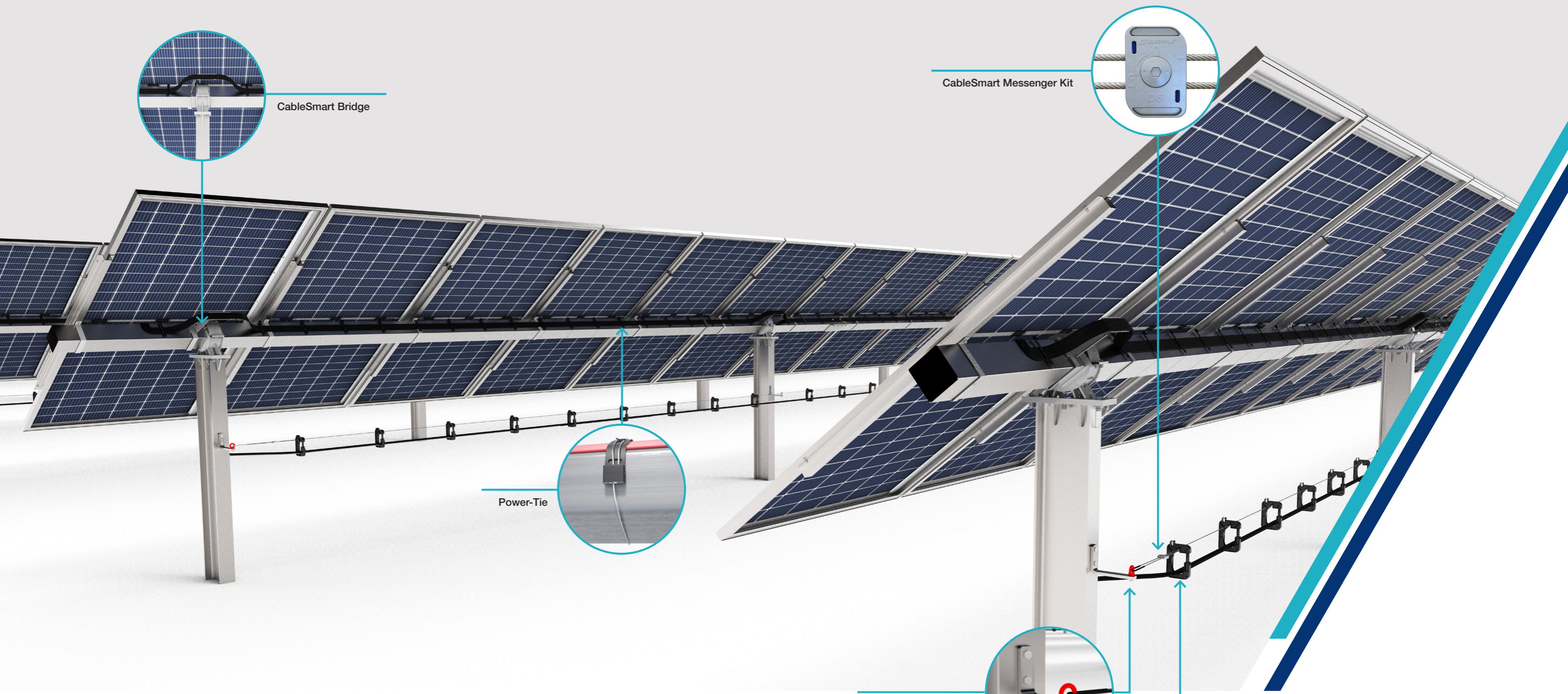


Reliable Project Delivery



ONE MONROE TITAN
 Master stocking distributor of PV connectors, wire, combiner boxes, DC wiring harnesses and SolarBOS.

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<https://titanwnc.com/>



CableSmart Bridge

CableSmart Messenger Kit

Power-Tie

CableSmart Messenger Brackets

CableSmart Mini Hanger

Our String Cable Management Solutions

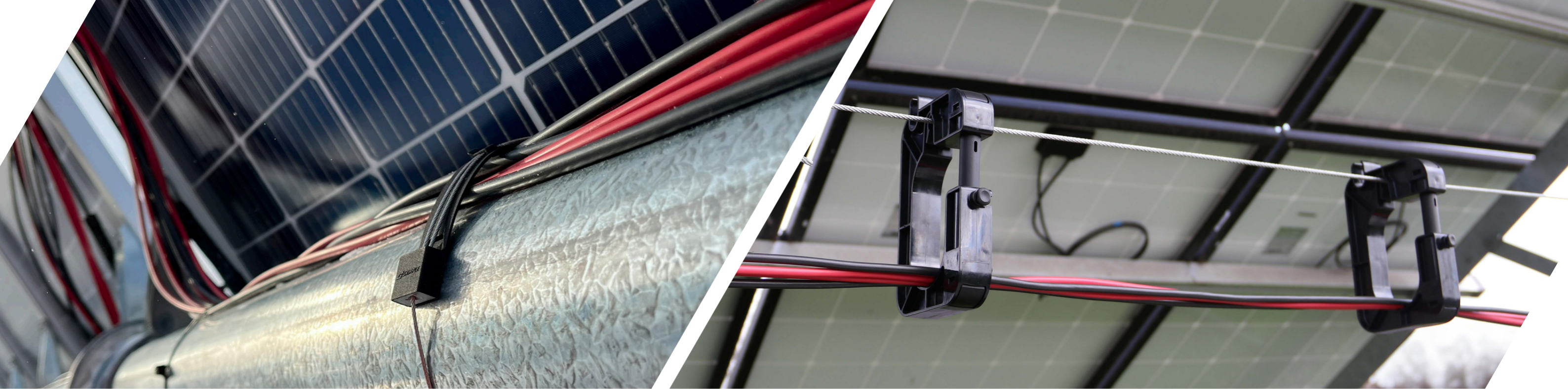
Whether you are managing cables directly fixed to your PV structure or using a separate messenger system, our engineered solutions offer maximum cable protection, longevity and install simplicity.

Use our CableSmart string system for maximum cable protection away from your frame structure. Or choose our Power-Tie solution to manage cables directly on your PV racking, with the durability of steel banding and the ease of install and versatility of cable ties.

Engineered by Gripple for simple, fast and long-lasting installations our string cable management solutions put the power back in your hands.



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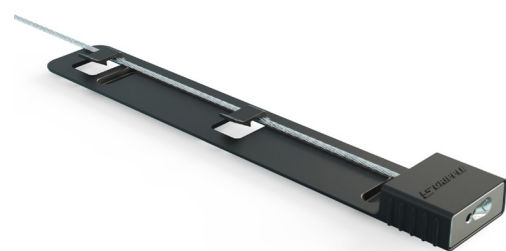
String Cable Management

Direct Fix Solution

Power-Tie

Engineered for lasting performance, Power-Tie combines the robust strength and endurance of steel banding with the ease of install and versatility of cable ties.

- + Simple Install – As easy and fast as a traditional zip tie
- + Reduced Replacement Costs – Designed to last 20+ years
- + Use Anywhere – With 3 size options you can use on any type of structure
- + High Strength – Comparable with steel banding and ties giving you confidence to use anywhere
- + No Waste – 3 size options with no need to cut excess wire on site
- + Safe To Install – Tool free with no RSI risks

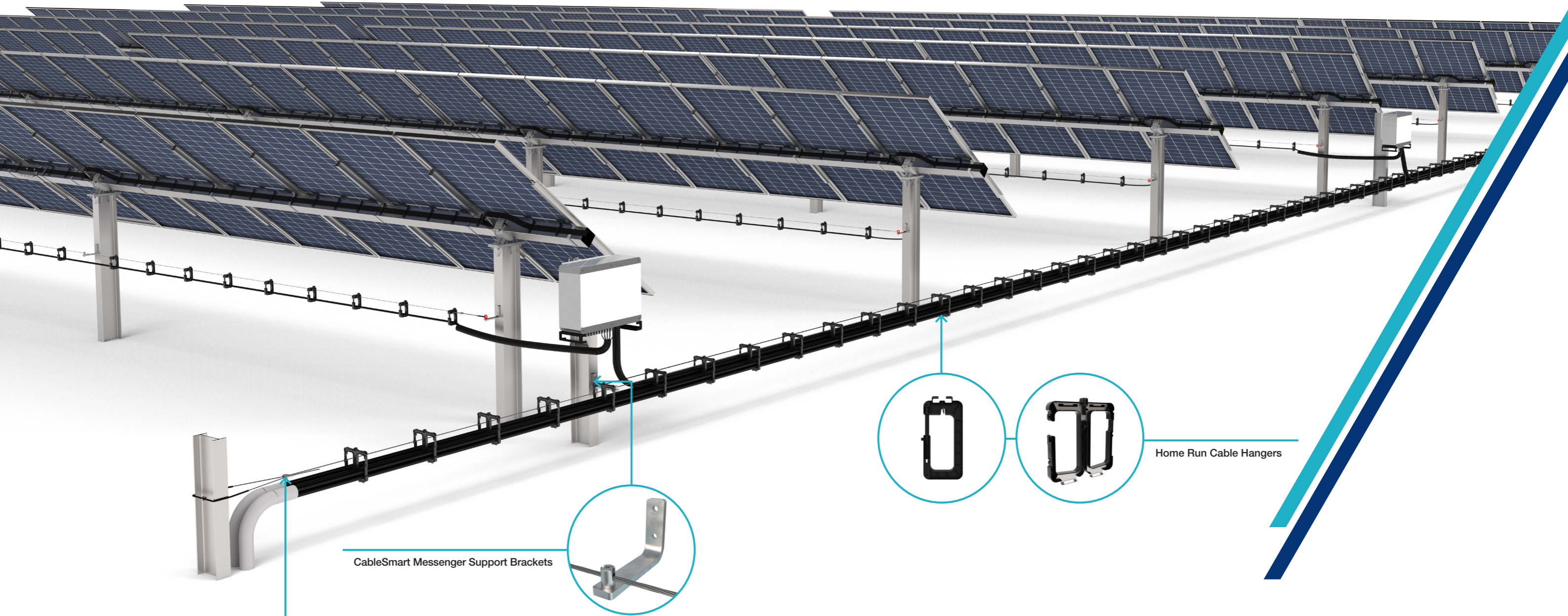


Catenary Solution

CableSmart String System

Manage string cables away from your frame structure for maximum protection using our CableSmart string solution, including the fastest to install messenger catenary system on the market.

- + Protects Cables – Protects cables long term from abrasion and mechanical damage
- + Install at Speed – The fastest to install solar messenger system on the market
- + Designed to Last – 30+ years
- + Rapid Tension – Use the Gripple Dynamic wire tensioner and Gripple Torq Tool to tension your messenger wire in seconds
- + Developed for String Cabling – Developed with EPC's and contractors for string cabling
- + Lightweight Solution – Delivered in lightweight easy-to-handle boxes simplifying logistics on and off site



CableSmart Messenger Support Brackets

Home Run Cable Hangers

CableSmart Messenger Kit

Our Home Run Cable Management Solutions

Safely manage your home run cables above ground with our CableSmart messenger system, engineered for simple and fast installation with optimum cable protection.

We have developed CableSmart working with EPC's, contractors and developers specifically for utility scale solar applications. Whether you are managing cables above ground to mitigate site issues, or to reduce excavation costs, our CableSmart system is a simple and reliable solution. Thanks to our innovative Gripple technology, the CableSmart system is faster and easier to install than anything else on the market.

Home Run Cable Management

- + Protects Cables – Prevents long term abrasion and mechanical damage
- + Install at Speed – The fastest to install solar messenger system on the market
- + Designed to Last – 30+ years
- + Rapid Tension – Use the Gripple Dynamic wire tensioner and Gripple Torq Tool to tension your messenger wire in seconds
- + Engineered for Home Run Cables – Developed with EPC's and contractors specifically for home run feeder cables
- + Lightweight Solution – Delivered in easy-to-handle boxes simplifying logistics on and off site

Managing Cables Above Ground



Mitigate Ground Issues

From hard rocky ground to flood plains or archaeological sites, where trenching is not an option, moving cables above ground is a simple and viable solution.



Avoid Project Delays

Move your cabling above ground and avoid trenching hold ups from bad weather, saturated earth or unpredictable ground conditions.



Fast To Install

Your team can install our Gripple above ground cable management system quickly and easily using just hand tools.



No Heavy Equipment Needed

With no need for trenching, you can forget about the extra cost or logistical issues of getting heavy plant machinery to site.



Install On Landfill Or Brownfield Site

Open up unusable land for solar power generation by moving cables above ground, avoiding protective membranes or caps.



Easy O&M

Inspecting and maintaining your cable system is easier and more cost effective when they are accessible above ground.



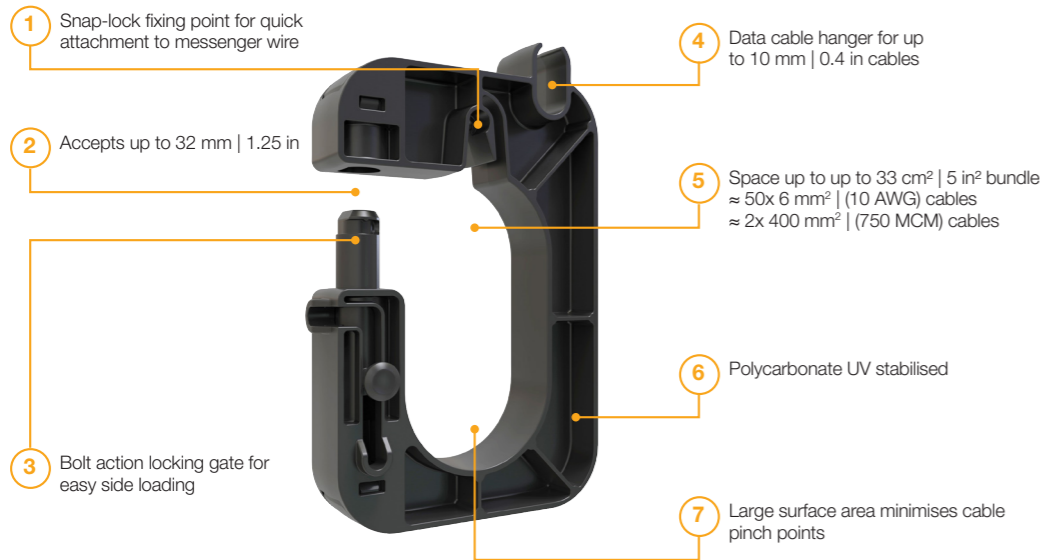
Our Products Cable Smart Hangers

CableSmart Mini Hanger

Our CableSmart Mini Hanger has been specially designed for string cable management, offering maximum cable protection and easy side loading.

- + Working Load: 10 kg | 22 lbs
- + Max Cable Bundle: 33 cm² | 5 in²
- + Max Cable Diameter: 32 mm | 1.25 in
- + Working Temperature: -40 to +90°C | -40 to +194°F

Approvals:
 + UL2239
 + CSA 22.2



CableSmart Single Hanger

Engineered for easy installation and optimum cable protection in home run cable management.

- + Working Load: 30 kg | 66 lbs
- + Max Cable Bundle: up to 115 cm² | 17 in²
- + Max Cable Diameter: 60 mm | 2.36 in
- + Working Temperature: -40 to +90°C | -40 to +194°F

Approvals:
 + UL2239
 + CSA 22.2



Cable Smart Hangers

CableSmart Double Hanger

Safely manage up to thirty 750 kcmil home run cables above ground with our high capacity CableSmart Double Hanger.

- + Working Load: 30 kg | 66 lbs
- + Max Cable Bundle: up to two x 120 cm² | 18 in²
- + Max Cable Diameter: 34 mm | 1.34 in
- + Working Temperature: -40 to +90°C | -40 to +194°F

Approvals:
 + UL2239
 + CSA 22.2

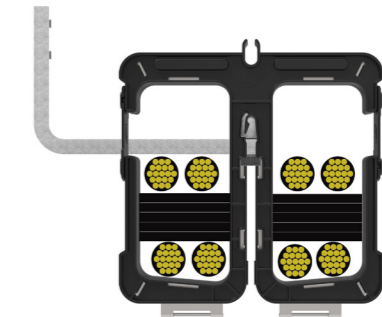


+ Double stack for high capacity up to 30x 750 kcmil cables

CableSmart Hanger Spacer

Easy to install drop in spacing accessory for temperature adjusted separation of cables in the CableSmart Double Hanger.

- + 6 mm | ¼ in separation
- + Stackable design to allow for various spacing requirements
- + UV stabilised polycarbonate



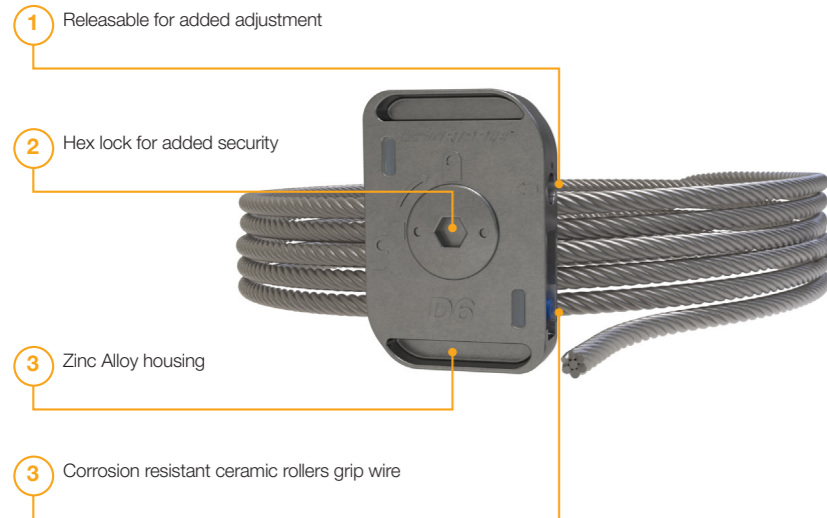
Our Products CableSmart Messenger System

CableSmart Messenger Kit

Using our Gripple Dynamic tensioner our CableSmart Messenger Kit is the fastest to install solar cable catenary system on the market.

- + Max working load: 1750 kg | 3860 lbs
- + Kit Variants: 3 mm or 6 mm | 1/8 in or 1/4 in
- + Design Life: 30 Years +
- + Working Temperature: -20 °C to +70 °C | -4 °F to +158 °F

- Approvals:**
- + UL2239
 - + CSA 22.2



Accessories:

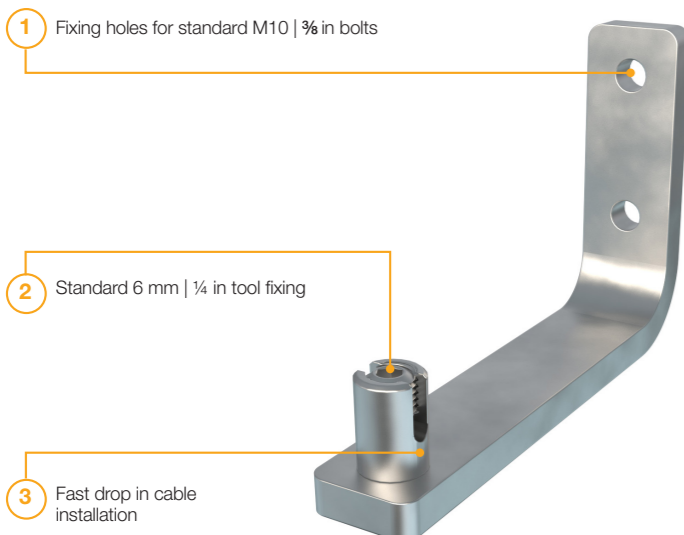
- + Gripple Tensioning Tool - Tension your messenger kit in seconds with the Gripple tensioning tool.

CableSmart Messenger Support Brackets

Our CableSmart Messenger Support Brackets support the Messenger Kit at intervals and hold tension allowing for longer catenary spans.

- + Variants: 155 mm or 250 mm | 6.10 in or 9.98 in
- + Working load: 200 kg | 440 lbs
- + Design Life: 30 Years +
- + Working Temperature: -40 to +200°C | -40 to +390°F

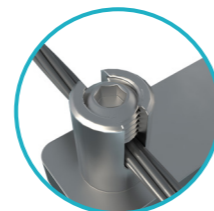
- Approvals:**
- + UL2239
 - + CSA 22.2



Fixing Variants:

+ Drop In Fixing – Ideal for securing messenger wire at intervals to hold tension.

+ Eyenut – Can be used for messenger wire start and end points where high loads are not required.



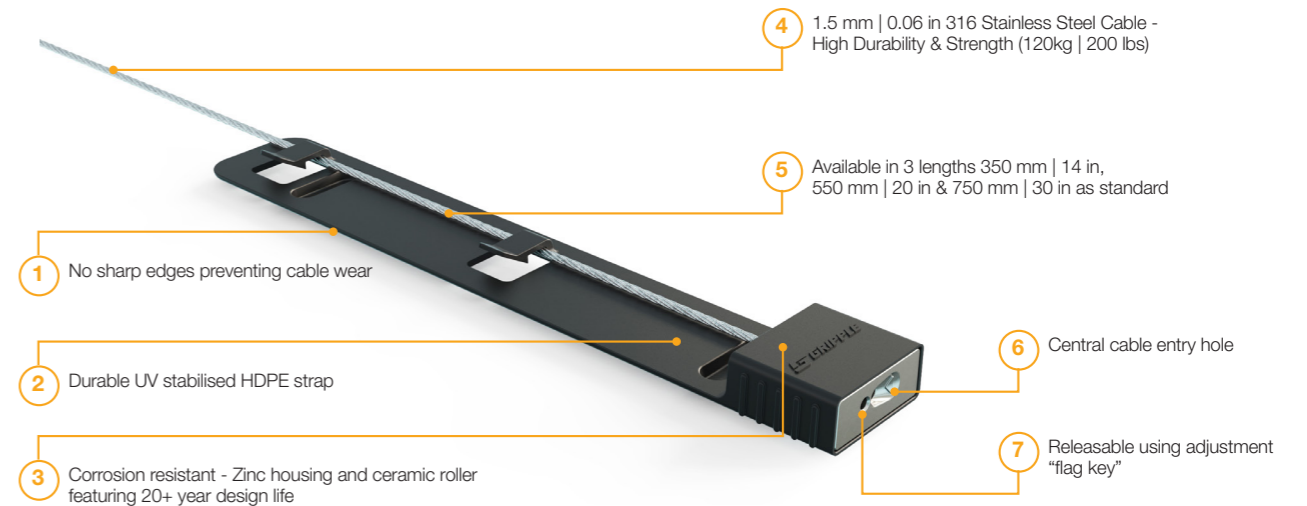
Direct Fix Solutions

Power-Tie

Engineered for fool proof installation and designed to last for 20+ years, even in harsh conditions. Power-Tie gives you the confidence you have installed right first time, every time.

- + Working Load: 120 kg | 260 lbs
- + Standard Length Options: 350 mm | 14 in, 550 mm | 22 in & 750 mm | 30 in
- + Design Life: 20 Years +
- + Working Temperature: -40 to +90°C | -40 to +194°F

- Approvals:**
- + UL/CSA/IEC 62275
 - + UL94 V-2



CableSmart Bridge

Safely and securely manage string cables over tracker bearings using our easy to install solar cable management bridge.

- + Working Load: 2 kg | 4.4 lbs*
- + Working Temperature: -40 to +200°C | -40 to +390°F
- + Design Life: 30 Years +
- + Compatibility: Array Technologies (ATI) Torque Tubes



*Before deflection occurs. For deflection data or additional load information contact Technical Services.