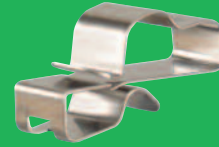
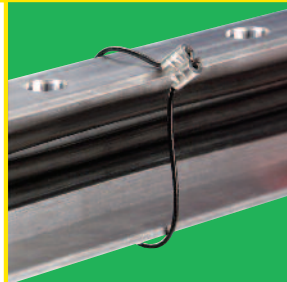


Heyco®  
Solar  
Solutions



**HEYCO**®





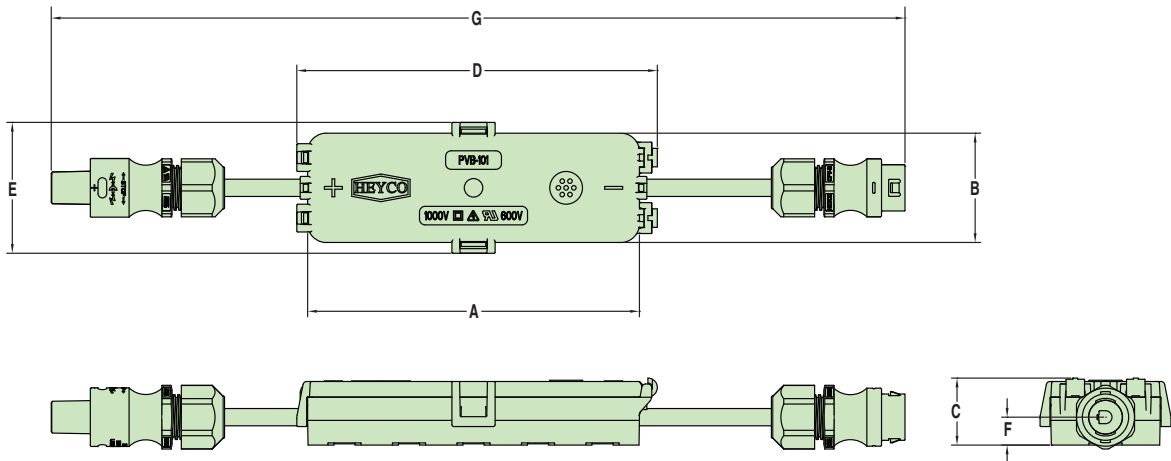
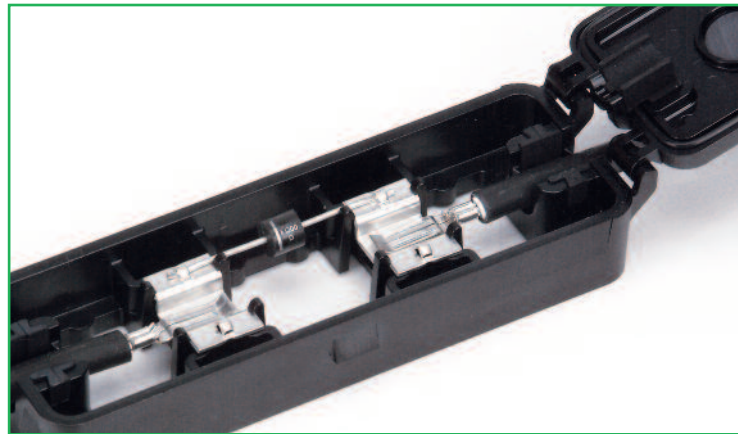
# Heyco® PVB 101 Single Diode Solar Junction Box

For Single Diode, Double Ribbon Photovoltaic Panels

- **Highest performance rated axial diode on the market** for a single diode box application.
- Low insertion force connection of PV ribbons for quick and easy assembly with no soldering.
- Low profile single panel design to accommodate a two ribbon panel.
- Cable strain relief incorporated in box.
- Practical internal volume and venting for good thermal dissipation and low interior temperatures.
- IP65 rated.
- RoHS and REACH compliant eco-friendly solderless internal connections.
- Sizeable opening for conductor ribbons.
- **Ambient temperature range of -40°F (-40°C) to 221°F (105°C) (UL).**
- UL recognized under file E325860.

PART NO.	DESCRIPTION	PART DIMENSIONS													
		A Box Length		B Box Width		C Max O.A. Height		D Max O.A. Length		E Max O.A. Width		F Centerline of Leads		G* O.A. Length inc. Leads	
		in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
S6115	PVB 101	5.38	136,6	1.77	45,0	1.09	27,6	5.84	148,3	2.14	54,3	.50	12,7	78.00	1981,2

\*Junction boxes supplied with positive and negative cables in 3 ft. length—contact Heyco for different lengths.



*Quick Specs*

Material	Polycarbonate housing with UV stability
Certifications	UL Recognized under Underwriters' Laboratories File E325860
Flammability Rating	VO, 5VA
Temperature Rating	-40°F (-40°C) to 221°F (105°C)
IP Rating	IP 65



# Heyco® PVB 301 Multi-Diode Solar Junction Box

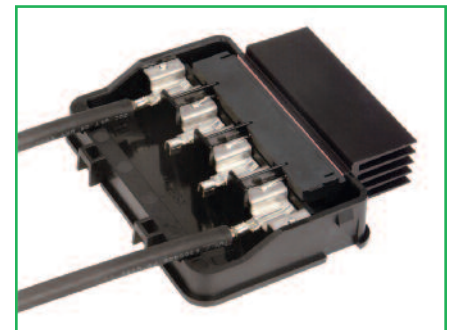
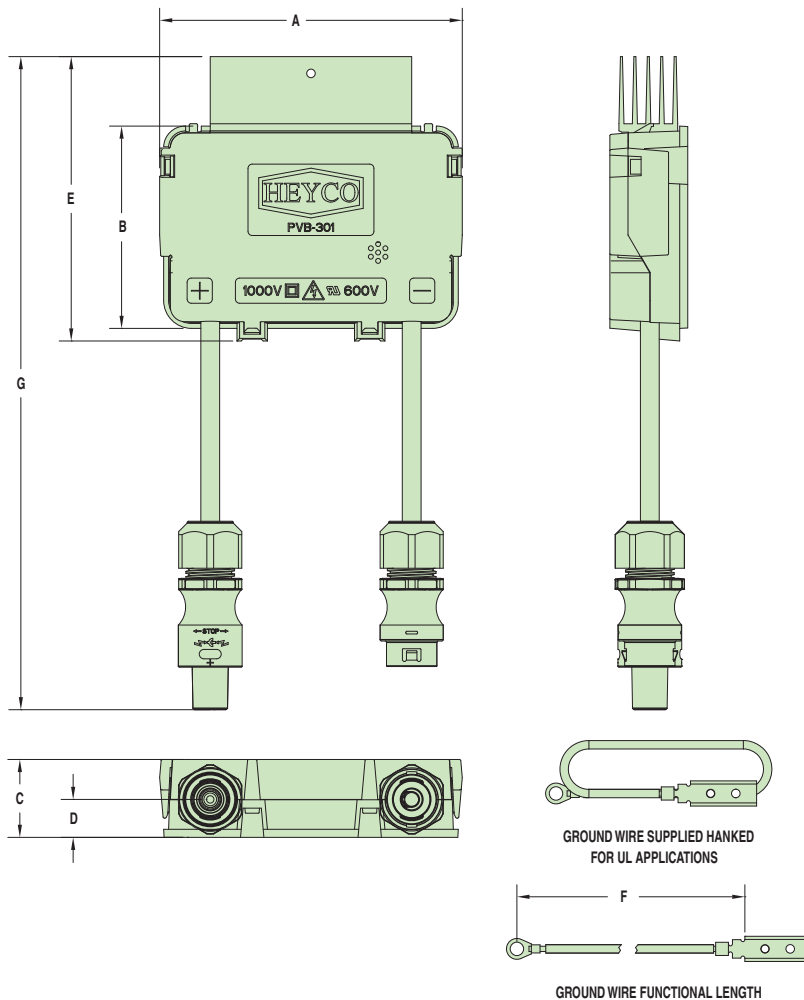
For Larger, Multiple Diode, Four Ribbon Photovoltaic Panels  
Robust Design for Temperature Sensitive Applications



PART NO.	DESCRIPTION	PART DIMENSIONS													
		A Box Width		B Box Length		C Max O.A. Height		D Centerline of Leads		E Max O.A. Length		F Ground Lead Length		G* O.A. Length inc. Leads	
		in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
S6135	PVB 301	4.50	114,3	3.01	76,5	1.16	29,5	.57	14,4	4.24	107,7	36.0	914,4	40.0	1016,0

\*Junction boxes supplied with positive and negative cables in 3 ft. length—contact Heyco for different lengths.

- Robust built-in heat sink guards against heat buildup and allows the use of higher current TO-220 bypass diodes. **Excellent for temperature sensitive applications.**
- Low insertion force connection of PV Ribbons for quick and easy assembly with no soldering.
- Practical internal volume and venting for good thermal dissipation and low interior temperatures.
- IP65 rated.
- RoHS and REACH compliant eco-friendly solderless internal connections.
- Sizeable opening for conductor ribbons.
- Ground wire (included) required for UL applications.
- UL recognized under file E325860.
- TUV certification No. R72111836.
- **U.S. Patent No. 8113853B2.**



Material  
Certifications

Polycarbonate housing with UV stability  
 Recognized under Underwriters' Laboratories File E325860  
 Certification Number R72111836

Flammability Rating  
Temperature Rating  
IP Rating

VO, 5VA  
-40°F (-40°C) to 221°F (105°C)  
IP 65

Quick  
Specs

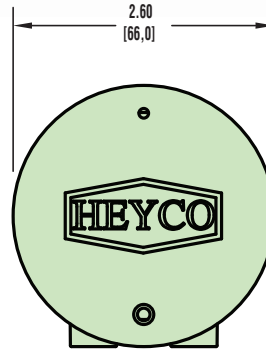


# Heyco® PVB 001 Diodeless Solar Junction Boxes

For Use in Applications Which Require a Diodeless Junction Box

- **Low profile design** minimizes use of potting material while permitting ample access for electrical connections.
- Low cost two piece construction for potted applications.
- Durable construction of high temperature polycarbonate with 5VA and UL f1 ratings to withstand outdoor exposure with excellent cold impact capabilities.
- Lid securely snaps on without use of tools—speeds panel fabrication.
- Designed for USE-2 and 1000V PV wire.
- Housing only—for custom connection needs, please consult Heyco.
- For special applications, please contact Heyco.

PART NO.	DESCRIPTION	PART DIMENSIONS				WIRE TYPE
		A		B		
		Hole Diameter in.	mm.	Maximum Cable Diameter in.	mm.	
S6194	PVB 001 Set (4,7 mm)	.19	4,7	.18	4,7	12 AWG USE-2
S6190	PVB 001 Set (5,1 mm)	.22	5,6	.20	5,1	10 AWG USE-2
S6192	PVB 001 Set (7,6 mm)	.31	7,9	.30	7,6	10 AWG PV-Wire



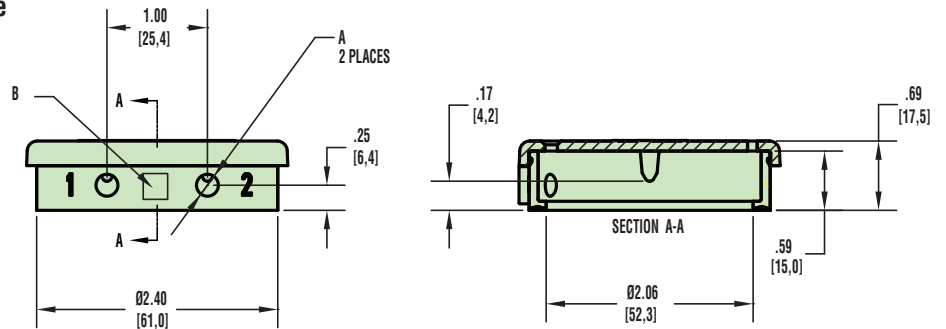
### PN S6199



Optional mounting plate for use with flexible panel applications for added secureness



Junction Box attaches to plate clips on opposite side of panel



*Quick Specs*

Material: Polycarbonate housing with UV stability  
 Flammability Rating: VO, 5VA  
 Temperature Rating: -40°F (-40°C) to 221°F (105°C)



# Heyco® CPV Solar Bulkhead Connectors

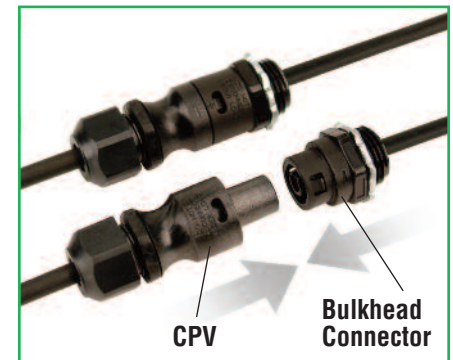
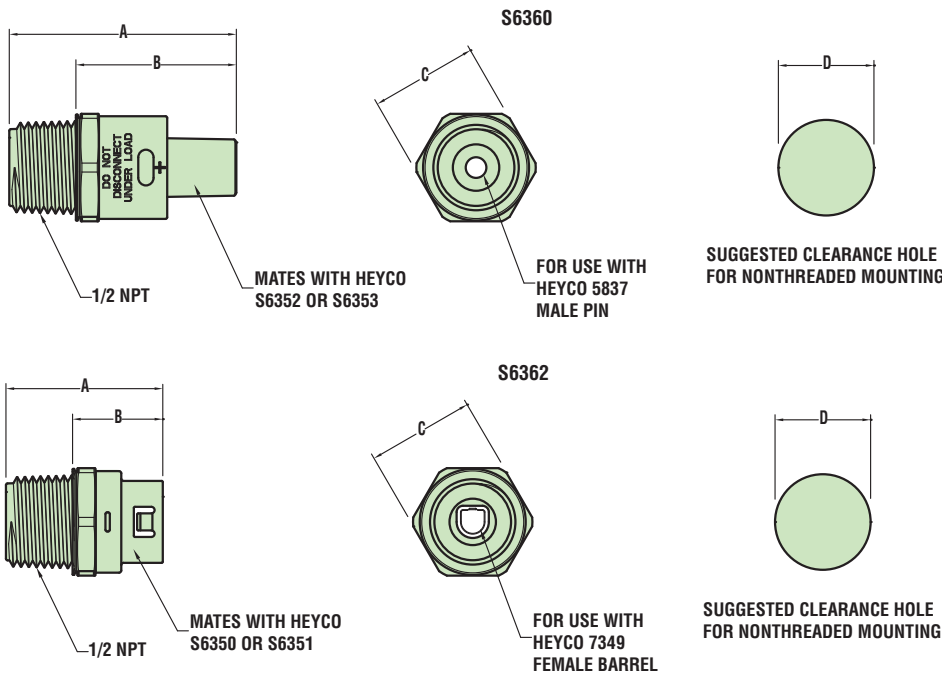
With Integral Sealing Ring for Creating a Liquid Tight Seal Through a Panel



PART NO.	DESCRIPTION	PART DIMENSIONS							
		A		B		C		D	
Black		Max O.A.	Length	Mounted	Length	Wrenching	Flats	Clearance	Hole
		in.	mm.	in.	mm.	in.	mm.	in.	mm.
S6360	CPV-P-BH	2.08	52,8	1.47	37,3	.98	24,9	.875	22,2
S6362	CPV-N-BH	1.44	36,5	.83	21,0				



- Bulkhead connectors mate with Heyco CPV Solar Connectors **creating a liquid tight seal through the panel.**
- Provided with an assembled metal locknut.
- Integral sealing ring ensures a superior seal at the mounting hole location, every time.
- Crimp to stranded wire 14 to 10 gauge for internal connections.
- 1/2" NPT thread for installation into 1/2" knock-out hole.
- Polycarbonate construction for good chemical and impact resistance.
- Disconnection (PN S6390) and crimping tools (PN S6392 for 10 & 12 AWG wire) available. See page 6.
- RoHS and REACH compliant.
- UL recognized under File E344722.
- TUV certification No. R60033714.
- **U.S. Patent No. 8398419B2.**



Material	Polycarbonate
Certifications	Recognized under the Component Program of Underwriters' Laboratories File E344722. Certification Number R60033714
Flammability Rating	VO
Temperature Rating	-40°F (-40°C) to 221°F (105°C)
IP Rating	IP 65 & IP 67

*Quick Specs*





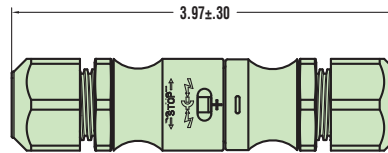
# Heyco® CPV Solar Connectors

## For Photovoltaic Wire Interconnections

- **Large cable diameter range** covers a wide range of USE-2 and 1000V PV cables.
- CPV Solar Connectors mate with Heyco Bulkhead Connectors (page 5) creating a liquid tight seal through the panel.
- Acme threads on cap to prevent skipping and speed install.
- **Connectors meet all UL cold impact requirements of -35°C test.**
- **Connectors meet all NEC requirements for solar installations.**
- Polycarbonate construction for good chemical and impact resistance.
- Rated Current: 22A (2,5 mm<sup>2</sup>), 30A (4 mm<sup>2</sup>-6 mm<sup>2</sup>).
- Rated Voltage, 1kV DC.
- Overvoltage category III.
- Pollution degree, 3.
- Crimped terminal connections.
- Non-rewireable conductor connections.
- Reference to DIN V VDE V0126-3:2006.
- RoHS and REACH compliant.
- UL recognized under file E344722.
- TUV certification No. R60033714.
- **U.S. Patent No. 8398419B2.**

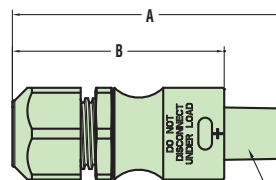
CABLE DIA. RANGE				PART NO.	DESCRIPTION	PART DIMENSIONS					
Min Dia		Max Dia				Black	A		B		C
in.	mm.	in.	mm.		Max O.A. Length			Body Length		Wrenching Flats	
					in.	mm.	in.	mm.	in.	mm.	
.260	6,6	.315	8,0	<b>S6350</b>	CPV-P-80	2.80	71,1	2.17	55,1	.94	23,9
.170	4,3	.230	5,8	<b>S6351*</b>	CPV-P-58						
.260	6,6	.315	8,0	<b>S6352</b>	CPV-N-80	2.16	54,9	1.78	45,2	.94	23,9
.170	4,3	.230	5,8	<b>S6353*</b>	CPV-N-58						

\*For TUV certification, the minimum cable diameter will be .208 in (5,3 mm).



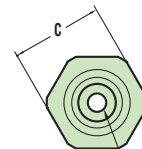
ASSEMBLED VIEW

### POSITIVE CONNECTOR



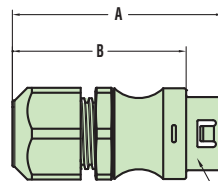
MATES WITH HEYCO  
S6352 OR S6353

S6350/S6351



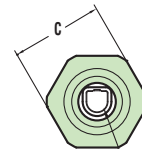
FOR USE WITH  
HEYCO 5837  
MALE PIN

### NEGATIVE CONNECTOR



MATES WITH HEYCO  
S6350 OR S6351

S6352/S6353



FOR USE WITH  
HEYCO 7349  
FEMALE BARREL



Heyco  
CPV Solar  
Disconnection  
Tool S6390



Heyco CPV  
Solar Crimping  
Tool S6392

Material	Polycarbonate
Certifications	Recognized under the Component Program of Underwriters' Laboratories File E344722. Certification Number R60033714.
Flammability Rating	V0
Temperature Rating	-40°F (-40°C) to 185°F (85°C)
Maximum Temperature Rating	221°F (105°C)
IP Rating	IP 65 & IP 67



# Heyco® CPV Solar Connector Sets

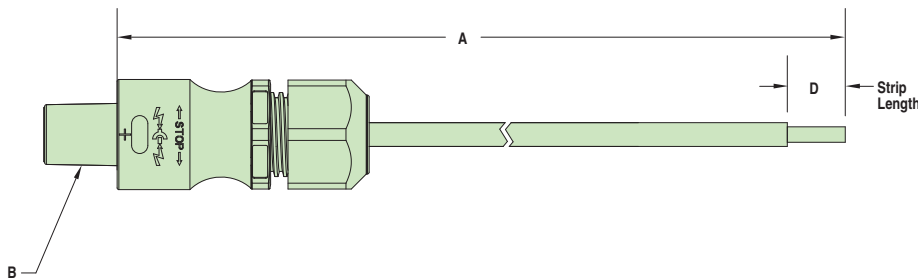
## With Custom Termination Capability

TYPE	CABLE		PART NO.	TERMINATIONS		D in.	LENGTH * A ft.
	Gauge AWG	Type		B	C		
CPV-P Connection Cable	10	USE-2	<b>S6310-6.0</b>	CPV-P	none*	1/2	6.0
		PV 1000	<b>S6311-6.0</b>				
CPV-N Connection Cable	10	USE-2	<b>S6314-6.0</b>	CPV-N	none*	1/2	6.0
		PV 1000	<b>S6315-6.0</b>				
CPV-P/CPV-N Jumper Cable	10	USE-2	<b>S6318-6.0</b>	CPV-P	CPV-N	n/a	6.0
		PV 1000	<b>S6319-6.0</b>				
CPV/MC4 Conversion Cable	10	USE-2	<b>S6322-6.0</b>	CPV-P	MC-4-NEG	n/a	6.0
			<b>S6323-6.0</b>	CPV-N	MC-4-POS		
		PV 1000	<b>S6326-6.0</b>	CPV-P	MC-4-NEG		
			<b>S6327-6.0</b>	CPV-N	MC-4-POS		

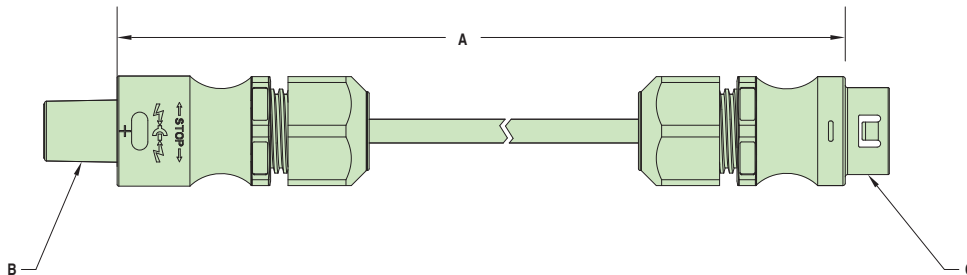
\*Other lengths available. Consult Heyco for custom lengths, applied Ring/Spade Terminals and other configurations.

- Precut and terminated CPV assemblies.
- Constructed from UV resistant 10AWG UL/TUV approved solar cable.
- Suitable for UL and IEC solar installations.
- Heyco Connectors are UL and TUV approved.
- Connectors meet UL cold impact test of -35°C.
- Connectors meet all NEC requirements for solar installations.
- Maximum cable assembly current rating - 30 amps.
- MC4 conversion cables and additional cable lengths available upon request.

### CPV CONNECTION CABLES



### CPV JUMPER & CONVERSION CABLES



Material	Polycarbonate
Certifications	Recognized under the Component Program of Underwriters' Laboratories File E344722.
	Certification Number R60033714.
Flammability Rating	V0
Temperature Rating	-40°F (-40°C) to 185°F (85°C)
Maximum Temperature Rating	221°F (105°C)
IP Rating	IP 65 & IP 67

*Quick Specs*



# Heyco® -Tite Combiner Box Liquid Tight Cordgrips

Multi-Hole, Snap-In Hubs - IP 64 Rated

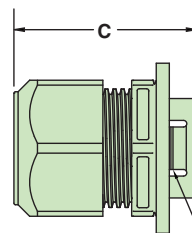
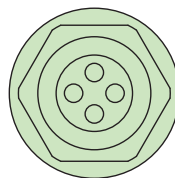
*The Ultimate in Liquid Tight Strain Relief Protection*

For use in Clearance Holes in Panels from  
.032" (0,8 mm) to .093" (2,4 mm) Thick

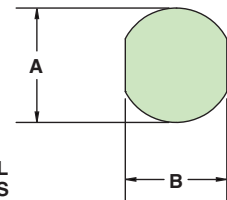
- House multiple wires at one entry point providing a liquid tight seal around each wire and at the panel.
- IP 64 Rated.
- Easy installation—Unique fingers securely lock into a range of panel sizes without use of locknut. No tools required.
- Secure “click in place” fit reduces tightening errors by installers.
- Limited intrusion into enclosure where access is tight.
- Ideal when individual conductors for power or control are used rather than jacketed cable.
- Smooth, rounded interior edges for ease of installation.
- Ratchet design of sealing nut assembly provides superior anti-vibration and ensures a firm grip on the cable.
- Rotation prevented when used in “Double D” mounting holes.
- For use in clearance holes.
- Made of nylon construction with TPE sealing glands that resist salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL.)
- **Foam sealing washer INCLUDED with Cordgrip.**
- For complete range of Heyco Cordgrips, see Section 3 in Heyco’s Catalog 113.

Size mm.	GLAND CONFIGURATION		PART NO.	DESCRIPTION	PART DIMENSIONS					
	Type *	AWG/ No.			A Mounting Hole Dia.		B To Prevent Rotation		C Max. Overall Length	
			Black		in.	mm.	in.	mm.	in.	mm.
4,2	USE-2	12/2	M4818GAB	SCG 875	.875	22,2	.77	19,6	1.46	37,1
4,6	USE-2	12/3	M4830GBD M4836GBD	SCG 1093 SCG 1125	1.093 1.125	27,8 28,6	.97 1.00	24,6 25,4	1.75	44,5
		12/4	M4830GBE M4836GBE	SCG 1093 SCG 1125	1.093 1.125	27,8 28,6	.97 1.00	24,6 25,4		
5,2	USE-2	10/2	M4818GAE	SCG 875	.875	22,2	.77	19,6	1.46	37,1
		10/3	M4830GAF M4836GAF	SCG 1093 SCG 1125	1.093 1.125	27,8 28,6	.97 1.00	24,6 25,4	1.75	44,5
		10/4	M4830GAG M4836GAG	SCG 1093 SCG 1125	1.093 1.125	27,8 28,6	.97 1.00	24,6 25,4		
7,0	PV 1000	12/3	M4830GAM M4836GAM	SCG 1093 SCG 1125	1.093 1.125	27,8 28,6	.97 1.00	24,6 25,4	1.75	44,5
7,4	PV 1000	12/2	M4830GAN M4836GAN	SCG 1093 SCG 1125	1.093 1.125	27,8 28,6	.97 1.00	24,6 25,4	1.75	44,5
8,0	PV 1000	10/2	M4830GAQ M4836GAQ	SCG 1093 SCG 1125	1.093 1.125	27,8 28,6	.97 1.00	24,6 25,4	1.75	44,5

\*AWG 10 and 12 for both USE-2 and PV 1000.  
Foam Washer INCLUDED.



FITS PANEL THICKNESS  
.032"-.093"



Quick  
Specs

Material	Nylon 6/6 with TPE sealing gland
Flammability Rating	94V-2
Temperature Rating	-22°F (-30°C) to 212°F (100°C)
IP Rating	IP 64





# Heyco® -Tite Solar Masthead® II Liquid Tight Cordgrips

Multi-Hole, NPT Hubs with Integral Sealing Ring - IP 68 Rated

The Ultimate in Liquid Tight Strain Relief Protection

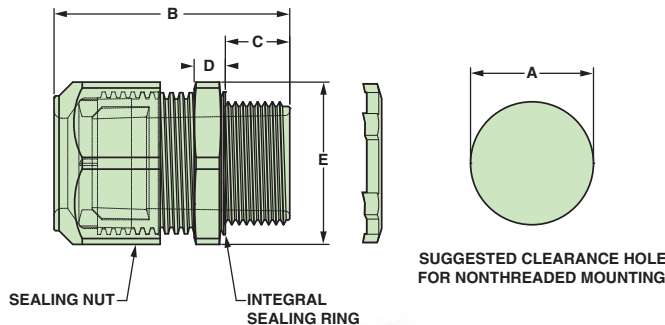


GLAND CONFIGURATION Conductors			PART NO.	DESCRIPTION	UL/SP or cULus	PART DIMENSIONS									
Size mm.	Type *	No.				Black	A Clearance Hole Dia. in. mm.	B Max. O.A. Length in. mm.		C Thread Length in. mm.		D Wrenching Nut Thickness in. mm.		E Flat Size in. mm.	
5,5	USE-2	5	M3234GBR-SM	SMCG 3/4	cULus	1.04	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
		9	M8437GBK-SM	SMCG 1	cULus	1.33	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
		13	M4524GBM-SM	SMCG 1-1/4	cULus	1.68	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
		21	M3317GBQ-SM	SMCG 1-1/2	cULus	1.92	48,8	2.81	71,3	.76	19,3	.36	9,1	2.48	63,0
		31	M3321GBY-SM	SMCG 2	cULus	2.40	60,8	2.93	74,3	.79	20,1	.42	10,7	2.75	69,9
5,6	USE-2	3	M3200GAH-SM	SMCG LL 1/2	UL/SP	.87	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0
7,7	PV 1000 or USE-2 **	3	M3234GBS-SM	SMCG 3/4	UL/SP	1.04	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
		5	M8437GBT-SM	SMCG 1	UL/SP	1.33	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
		9	M4524GBW-SM	SMCG 1-1/4	UL/SP	1.68	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
		11	M3317GBZ-SM	SMCG 1-1/2	cULus	1.92	48,8	2.81	71,3	.76	19,3	.36	9,1	2.48	63,0
		19	M3321GBX-SM	SMCG 2	UL/SP	2.40	60,8	2.93	74,3	.79	20,1	.42	10,7	2.75	69,9
8,9	PV 1000	7	M4524GCJ-SM	SMCG 1-1/4	UL/SP	1.68	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
		9	M3317GCK-SM	SMCG 1-1/2	cULus	1.92	48,8	2.81	71,3	.76	19,3	.36	9,1	2.48	63,0
		12	M3321GCM-SM	SMCG 2	UL/SP	2.40	60,8	2.93	74,3	.79	20,1	.42	10,7	2.75	69,9

\*AWG 10 and 12 for both USE-2 and PV 1000.

\*\*For 8 AWG USE-2 Wire.

Assembled Metal Locknuts INCLUDED.



See page 2-2 in Heyco's Power Components Catalog for details

Use a Heyco-Flex I Conduit Adapter to join a Heyco Solar Masthead to Heyco-Flex I or Rigid PVC Conduit, through which the solar installer can run PV wire from the roof to the field level inverter.

- Break-Thru Skinned-Over glands in the Solar Masthead II Cordgrips offer flexibility to use from 1 to 31 of the available holes while still providing a liquid tight seal around the wire.
- IP 68 rated.
- Integral Sealing Ring ensures a superior seal at the clearance or threaded mounting hole location, every time.
- Provide a watertight seal for PV module output leads to inverters.
- Designed for use with 12 and 10 AWG USE-2 or 12 and 10 AWG 1000V PV wire.
- Designed for solar rooftop or combiner box installations.
- Secure input PV leads from solar panel array strings to fuse holder hookup within solar combiner boxes.
- Use in some residential rooftop solar applications may eliminate the need for combiner box when appropriate threaded adaptor is used.
- UV resistant nylon construction with TPE Sealing Gland resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents.
- No disassembly required for installation.
- Generous wrenching flats for ease of assembly.
- Solar Masthead II Cordgrips provided with assembled metal locknut.
- Contact Heyco for other sizes and gland configurations.



Quick Specs

Material Certifications

- UL Nylon 6/6 with TPE Sealing Glands Listed under Underwriters' Laboratories File E51579
- cULus Recognized under the Component Program of Underwriters' Laboratories File E51579 to both Canadian and U.S. requirements
- SP Certified by the Canadian Standards Association File 93876

Flammability Rating

94-V2

Temperature Rating

-22°F (-30°C) to 212°F (100°C)

IP Rating

IP 68



# Heyco® -Tite UL Listed/Recognized and CSA Certified Liquid Tight Cordgrips for Solar Applications

Multi-Hole, NPT Hubs with Integral Sealing Ring - IP 68 Rated

*The Ultimate in Liquid Tight Strain Relief Protection*

- Integral Sealing Ring ensures a superior seal at the clearance or threaded mounting hole location, every time.
- IP 68 rated.
- Widest range of approved cable diameters.
- Cordgrips with an -SM suffix have Skinned-Over Break-thru glands that offer the flexibility to use from 1 to 31 of the available holes while still providing a liquid tight seal around the wire.
- All accompanying Cordgrips are made of nylon construction with TPE sealing glands that resist salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL.)
- For locknut specifications or to order locknuts separately, see page 3-29 & 3-30 in Heyco's Catalog 113.
- Multi-hole glands are only to be used with Heyco Liquid Tight Cordgrips and are not sold separately.
- For our complete range of Heyco Cordgrips, see Section 3 in Heyco's Catalog 113.



Use Heyco Multi-Hole Cordgrips with Heyco Female Threaded Couplings and Heyco-Flex III Tubing to insulate exposed PV wiring when making complete liquid tight connections to solar combiner or inverter enclosures. See page 2-2 in Heyco's Catalog 113 for details.

GLAND CONFIGURATION			PART NUMBER Black	DESCRIPTION	UL/CSA or SR	PART DIMENSIONS									
Size mm.	Type *	No.				A Clearance Hole Dia. in. mm.	B Max. O.A. Length in. mm.	C Thread Length in. mm.	D Wrenching Nut Thickness in. mm.		E Flat Size in. mm.				

Standard Multi-Hole Gland - Assembled Metal Locknuts INCLUDED															
4,5	USE-2	9	M8437GBF	LTCG 1	UL/CSA	1.33	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
		13	M4524GBG	LTCG 1-1/4		1.68	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
5,2	USE-2	2	M3231GAE	LTCG 1/2	UL/CSA	.87	22,2	1.70	43,2	.61	15,5	.21	5,3	.98	24,9
		3	M3234GAF	LTCG 3/4	UL/CSA	1.04	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
		4	M3234GAG												
5,6	USE-2	3	M3200GAH	LTCG LL 1/2	UL/CSA	.87	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0

Skinned-Over Break-thru Solar Masthead Gland - Assembled Metal Locknuts INCLUDED															
5,5	USE-2	5	M3234GBR-SM	SMCG 3/4	UL/CSA	1.04	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
		9	M8437GBK-SM	SMCG 1		1.33	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
		13	M4524GBM-SM	SMCG 1-1/4		1.68	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
		21	M3317GBQ-SM	SMCG 1-1/2		1.92	48,8	2.81	71,4	.76	19,3	.36	9,1	2.48	63,0
		31	M3321GBY-SM	SMCG 2		2.40	60,8	2.92	74,2	.79	20,1	.42	10,7	2.73	69,3
5,6	USE-2	3	M3200GAH-SM	SMCG LL 1/2	UL/CSA	.87	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0
7,7	PV 1000 or USE-2**	3	M3234GBS-SM	SMCG 3/4	UL/CSA	1.04	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
		5	M8437GBT-SM	SMCG 1	UL/CSA	1.33	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
		9	M4524GBW-SM	SMCG 1-1/4	UL/CSA	1.68	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
		11	M3317GBZ-SM	SMCG 1-1/2	UL/CSA	1.92	48,8	2.81	71,4	.76	19,3	.36	9,1	2.48	63,0
8,9	PV 1000	19	M3321GBX-SM	SMCG 2	UL/CSA	2.40	60,8	2.92	74,2	.79	20,1	.42	10,7	2.73	69,3
		7	M4524GCJ-SM	SMCG 1-1/4	UL/CSA	1.68	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
		9	M3317GCK-SM	SMCG 1-1/2	UL/CSA	1.92	48,8	2.81	71,3	.76	19,3	.36	9,1	2.48	63,0
12			M3321GCM-SM	SMCG 2	UL/CSA	2.40	60,8	2.93	74,3	.79	20,1	.42	10,7	2.75	69,9

Other Configurations with Approval Potential - Locknuts not included															
6,0	***	2	M3200GAJ	LTCG LL 1/2	-	.87	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0
		4	M3234GBC	LTCG 3/4	-	1.04	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
6,5	***	6	M8437GAL	LTCG 1	-	1.33	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
			M4524GAL	LTCG 1-1/4	-	1.68	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
7,0	PV 1000	3	M3234GAM	LTCG 3/4	-	1.04	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
7,4	PV 1000	2	M3234GAN												

\*AWG 10 and 12 for both USE-2 and PV 1000 except 4,5 mm Conductors Recognized for AWG 12 only.

\*\*8 AWG USE-2 Wire

\*\*\*Depends on actual wire: 10 AWG USE-2 or 12 AWG PV 1000.

For Locknut specifications or to order Locknuts separately, see pages 3-29 & 3-30 in Heyco's Catalog 113.

Quick Specs

Material	Nylon 6/6 with TPE sealing gland
Certifications	<ul style="list-style-type: none"> <li>UL Listed under Underwriters' Laboratories File E51579</li> <li>UL/CSA Recognized under the Component Program of Underwriters' Laboratories File E51579 to both Canadian and U.S. requirements</li> <li>CSA Certified by the Canadian Standards Association File 93876</li> </ul>
Flammability Rating	94-V2
Temperature Rating	-22°F (-30°C) to 212°F (100°C)
IP Rating	IP 68



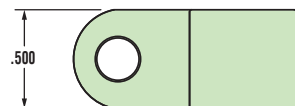
ALL NEW PRODUCTS!



# Heyco<sup>®</sup> SunClamp<sup>™</sup> Stainless Steel Cable Clamps

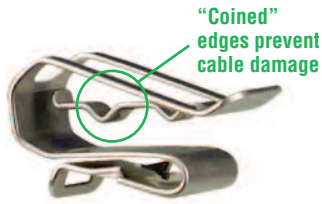
MOUNTING HOLE DIAMETER		SCREW SIZE	PART DIMENSION A		PART NO.	DESCRIPTION
in.	mm.		in.	mm.		
<b>Standard</b>						
.203	5,2	10	.250	6,3	S3374	CC H 1/4 SS
			.375	9,5	S3376	CC H 3/8 SS
			.500	12,7	S3378	CC H 1/2 SS
			.625	15,9	S3380	CC H 5/8 SS
			.750	19,1	S3382	CC H 3/4 SS
			.875	22,2	S3384	CC H 7/8 SS
<b>LDPE Coated</b>						
.203	5,2	10	.250	6,3	S3324	CC H 1/4 SSC
			.375	9,5	S3326	CC H 3/8 SSC
			.500	12,7	S3328	CC H 1/2 SSC
			.625	15,9	S3330	CC H 5/8 SSC
			.750	19,1	S3332	CC H 3/4 SSC
			.875	22,2	S3334	CC H 7/8 SSC

- For clamping cable or tubing securely into place, especially in **harsh environments**.
- Smooth "coined" clamp edges prevent damage to cable insulation.
- Constructed from corrosion resistant 304 stainless steel.
- Insulated parts are constructed from 304 stainless steel and coated with polyolefin, a thermoplastic co-polymer that provides a durable non-toxic, odorless coating that has very good low temperature flexibility and excellent electrical properties. This coating also has FDA food contact approval.



<b>Material</b>	304 Stainless Steel
-----------------	---------------------

Quick Specs

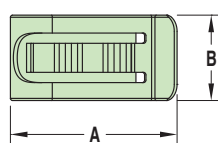


## HEYClip™ SunRunner® Cable Clip

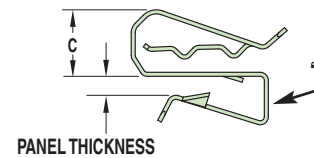
### Double-Compression Design

- Robust "double-compression" design securely holds from (1) 12 gauge USE-2 to (2) 10 gauge PV-1000V solar wires.
- Also for use with other cables from .20" (5,0 mm) to .30" (7,6 mm) in diameter.
- Designed to provide a better method for PV module wire management and may be used wherever single or multiple cable management is needed.
- Smooth clip edges prevent damage to cable insulation.
- Locking tabs securely fasten clips to module extrusions, or other panels.
- Generous lead in for installation without tools.
- Screwdriver slot for easy removal or movement of clips if necessary.
- Neatly dresses cables on PV panel frames or along mounting channels.
- Constructed from corrosion resistant 304 stainless steel.
- SunRunner fits module frames up to .125" (3,2 mm) thick.
- SunRunner EZ designed for thicker module frames as well as racking – accommodates profiles up to .250" (6,4 mm) thick!

PANEL THICKNESS CLAMPING RANGE				WIRE DIA. RANGE Maximum (2) Wires	PART NO.	DESCRIPTION	FOOTPRINT A x B		OVERALL HEIGHT C	
Minimum in.	Maximum mm.	Minimum in.	Maximum mm.				in.	mm.	in.	mm.
.055	1,4	.125	3,2	.20" (5,0 mm)- .30" (7,6 mm) each cable	S6405	SunRunner® Clip 100 Pack	.97 x .50	24,6 x 12,7	.39	9,9
					S6445	SunRunner® Clip Bulk				

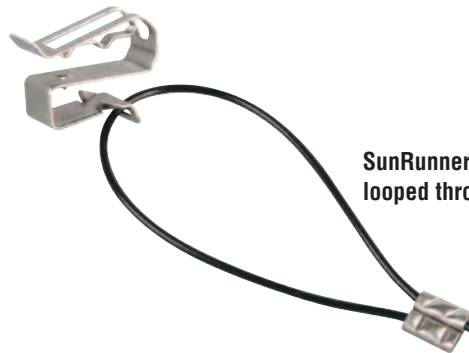


SunRunner®  
(above)



Wide, Flat  
Section for  
"EZ" Assembly

SunRunner® EZ  
(below)



SunRunner® EZ with (optional) SunBundler (page 18)  
looped through slot

## HEYClip™ SunRunner® EZ™ Cable Clip

### Double-Compression Design for Panels up to .250" (6,4 mm) Thick



PANEL THICKNESS CLAMPING RANGE				WIRE DIA. RANGE Maximum (2) Wires	PART NO.	DESCRIPTION	FOOTPRINT A x B		OVERALL HEIGHT C	
Minimum in.	Maximum mm.	Minimum in.	Maximum mm.				in.	mm.	in.	mm.
.090	2,3	.250	6,4	.20" (5,0 mm)- .30" (7,6 mm) each cable	S6407	SunRunner® EZ 100 Pack	.97 x .50	24,6 x 12,7	.41	10,4
					S6447	SunRunner® EZ Bulk				

Material .025" thick 304 stainless steel

Quick  
Specs



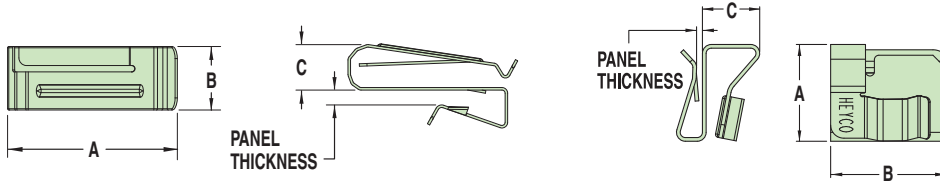


## HEYClip™ SunRunner 4™ Cable Clip

Double-Compression Design for Panels up to .250" (6,4 mm) Thick

PANEL THICKNESS CLAMPING RANGE				WIRE DIA. RANGE Maximum (4) Wires	PART NO.	DESCRIPTION	FOOTPRINT		OVERALL HEIGHT	
Minimum in.	Maximum mm.	Minimum in.	Maximum mm.				A x B in.	mm.	C in.	mm.
.125	3,2	.250	6,4	.20" (5,1 mm)- .30" (7,6 mm) each cable	S6400	SunRunner 4™ 100 Pack	1.34 x .50	34,0 x 12,7	.36	9,1
					S6440	SunRunner 4™ Bulk				

- Designed to hold up to (4) 12 gauge USE-2 or (4) 10 gauge PV-1000V solar wires.
- Also for use with other types of cables from .20" (5,1 mm) to .30" (7,6 mm) in diameter.
- Designed to provide a better method for PV module wire management and may be used whenever multiple cable management is needed.
- Smooth clip edges prevent damage to cable insulation.
- SunRunner 4 Cable Clip is designed to accommodate thicker racking systems up to .250" (6,4 mm) thick.
- Constructed from heat treated 410 stainless steel for excellent strength and corrosion protection for outdoor exposure.



SunRunner 4™

SunRunner® 90°

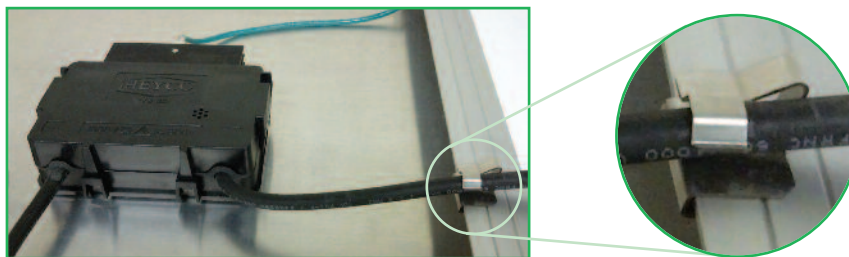
## HEYClip™ SunRunner® 90° Cable Clip

Double-Compression, Right Angle Design

PANEL THICKNESS CLAMPING RANGE				WIRE DIA. RANGE Maximum (1) Wire	PART NO.	DESCRIPTION	FOOTPRINT		OVERALL HEIGHT	
Minimum in.	Maximum mm.	Minimum in.	Maximum mm.				A x B in.	mm.	C in.	mm.
.055	1,4	.125	3,2	.20" (5,0 mm)- .30" (7,6 mm) each cable	S6406	SunRunner 90° Clip 100 Pack	.65 x .78	16,5 x 19,8	.39	9,9
					S6446	SunRunner 90° Clip Bulk				



- SunRunner 90° Cable Clip is designed to mount at a 90° angle to the original SunRunner. The SunRunner 90° will accommodate a single cable from .20" (5,0 mm) to .30" (7,6 mm).
- SunRunner 90° is designed for use with PV modules mounted in the “landscape” mode. PV modules with shorter than normal junction box cables cannot be dressed out to the sides of the module. The SunRunner 90° will allow the junction box cables to be run to the adjacent modules across the short side of the PV module frame.



**Material**

SunRunner 4 – .020" thick heat treated 410 stainless steel  
SunRunner 90° – .025" thick 304 stainless steel

Quick  
Specs





ALL NEW PRODUCTS!

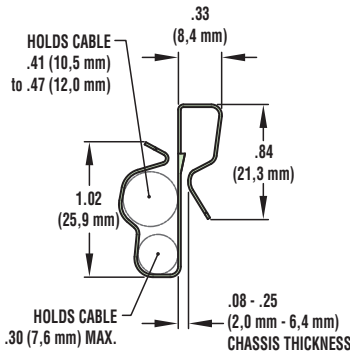
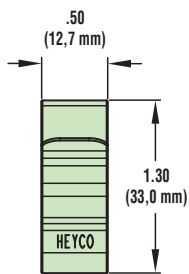


# HEYClip™ SunRunner® 2 Series Cable Clips

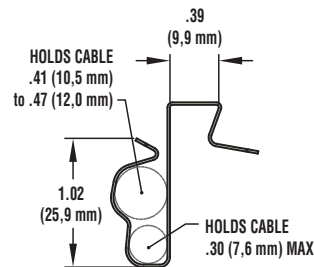
For Micro-Inverter Cables

- Designed to hold Micro-Inverter cables .413" (10,5 mm) to .472" (12,0 mm) in diameter.
- Smooth clip edges prevent damage to cable insulation.
- “S” hook clip design will fit a wide variety of extruded aluminum profiles.
- SunRunner 2 is designed for solar mounting frames such as the ones used by Unirac, Solar Mount and Mountain Systems.
- SunRunner 2-R is designed for racking systems such as the ones used by Haticon Solar.
- SunRunner 2-U features a shorter S hook for Unirac and other similar frame profiles.
- Neatly dresses cable on PV panels or along mounting frame channels from .080" (2,0 mm) to .250" (6,4 mm) thick.
- Constructed from heat treated 410 stainless steel for excellent strength and corrosion protection for outdoor exposure.
- See opposite page for typical rack profile applications.

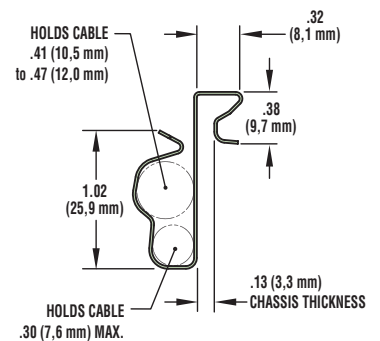
PANEL THICKNESS CLAMPING RANGE				WIRE DIA. RANGE		PART NO.	DESCRIPTION	FOOTPRINT		REAR TAB LENGTH	
Minimum		Maximum		in.	mm.			in.	mm.	in.	mm.
<b>SunRunner® 2</b>											
.08	2,0	.25	6,4	.30 - .47	7,6-12,0	S6404	SunRunner® 2 100 Pack	.50 x 1.30	12,7 x 33,0	.84	21,3
						S6444	SunRunner® 2 Bulk				
<b>SunRunner® 2-R</b>											
.38	9,7	.38	9,7	.30 - .47	7,6-12,0	S6402	SunRunner® 2-R 100 Pack	.50 x 1.30	12,7 x 33,0	.41	10,4
						S6442	SunRunner® 2-R Bulk				
<b>SunRunner® 2-U</b>											
.25	6,4	.25	6,4	.30 - .47	7,6-12,0	S6401	SunRunner® 2-U 100 Pack	.50 x 1.30	12,7 x 33,0	.38	9,7
						S6441	SunRunner® 2-U Bulk				



SunRunner 2



SunRunner 2-R



SunRunner 2-U

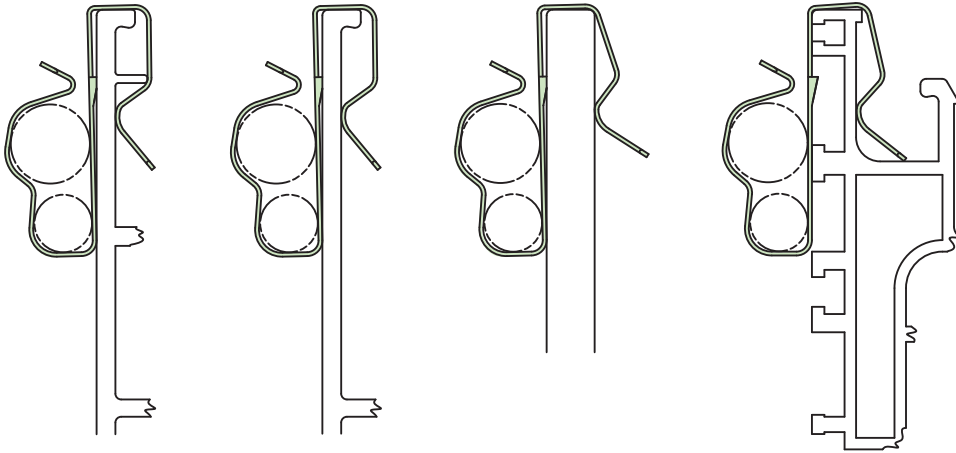
Quick Specs

Material

.020" thick heat treated 410 stainless steel

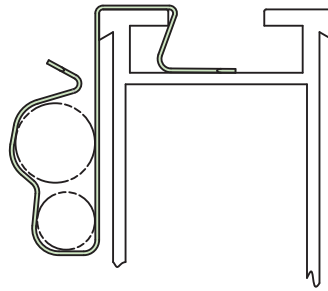


## HEYClip™ SunRunner® 2 Series “Where Used” Rack Profiles

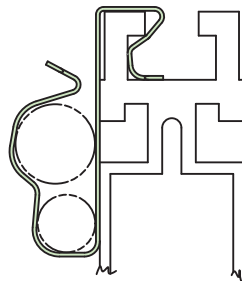


**SunRunner 2**  
fits these typical  
commercial rack  
profiles

**Consult Heyco for clips  
to meet your specific  
rack profile**



**SunRunner 2-R**  
fits Haticon Solar and  
similar rack profiles



**SunRunner 2-U**  
fits Unirac Solar Mount  
Standard Rail and similar  
rack profiles



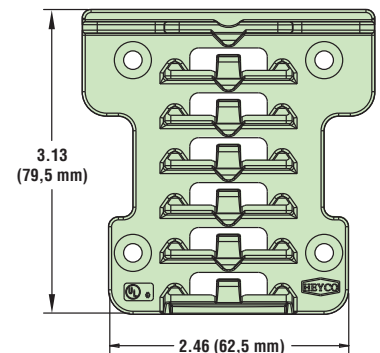
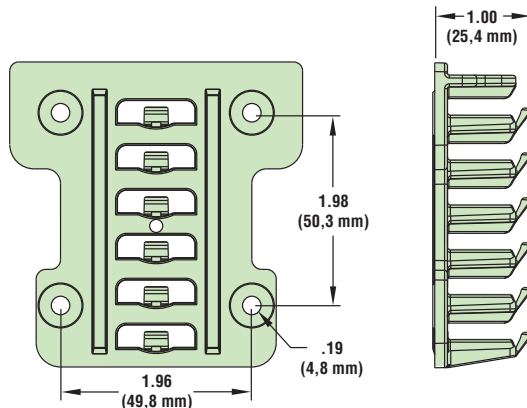
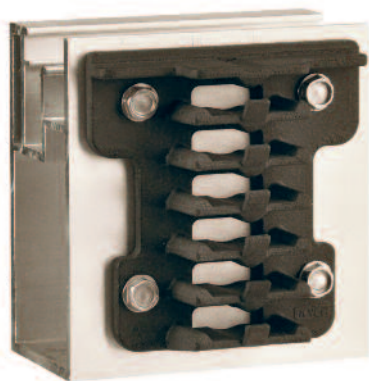
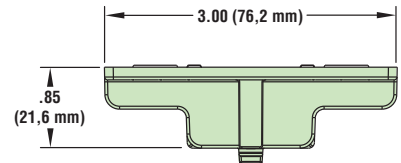
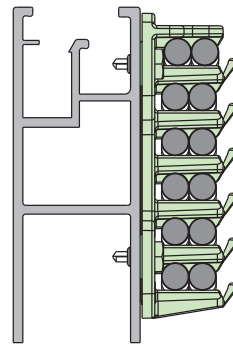
# HEYClip™ MaxRunner® Cable Clip Array-Flush Mount

Accommodates up to 12 Cables, Flush Mount with Screws

*The Ultimate in Solar Wire Management*

- Designed to mount on flat panels or extrusions without mounting ledges.
- Easily attaches to any flat surface with four mounting screws.
- Patent Pending design is the ultimate in solar wire management.
- Holds up to 12 cables with wire diameters ranging from .20" (5,2 mm) to .28" (7,2 mm).
- Constructed from PPE+PS flame retardant "Noryl" material.
- The injection molded wire holder has a V0 flame rating and a UV (f1) rating for excellent resistance to outdoor exposure.
- Molded internal locking tabs securely hold the cables in place preventing side-to-side movement or slippage of the cables.

PANEL THICKNESS CLAMPING RANGE				WIRE DIA. RANGE		PART NO.	DESCRIPTION	FOOTPRINT		OVERALL HEIGHT			
Minimum	Maximum	Minimum	Maximum	Minimum	Maximum			in.	mm.	in.	mm.		
N/A: designed for flat mount				.20	.28	5,2	7,2	S6433	MaxRunner® 12 Flush Mount	3.00 x 3.13	76,2 - 79,5	1.00	25,4



Quick Specs

Material	PPE & PS "Noryl"
Certifications	cULus Certified by UL for Compliance with both Canadian and U.S. requirements under File E54523
Flammability Rating	94V-0
Temperature Rating	Maximum material rating 203°F (95°C)



# HEYClip™ MaxRunner® Cable Clip Array

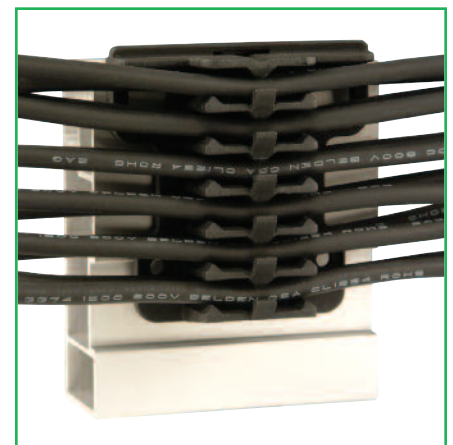
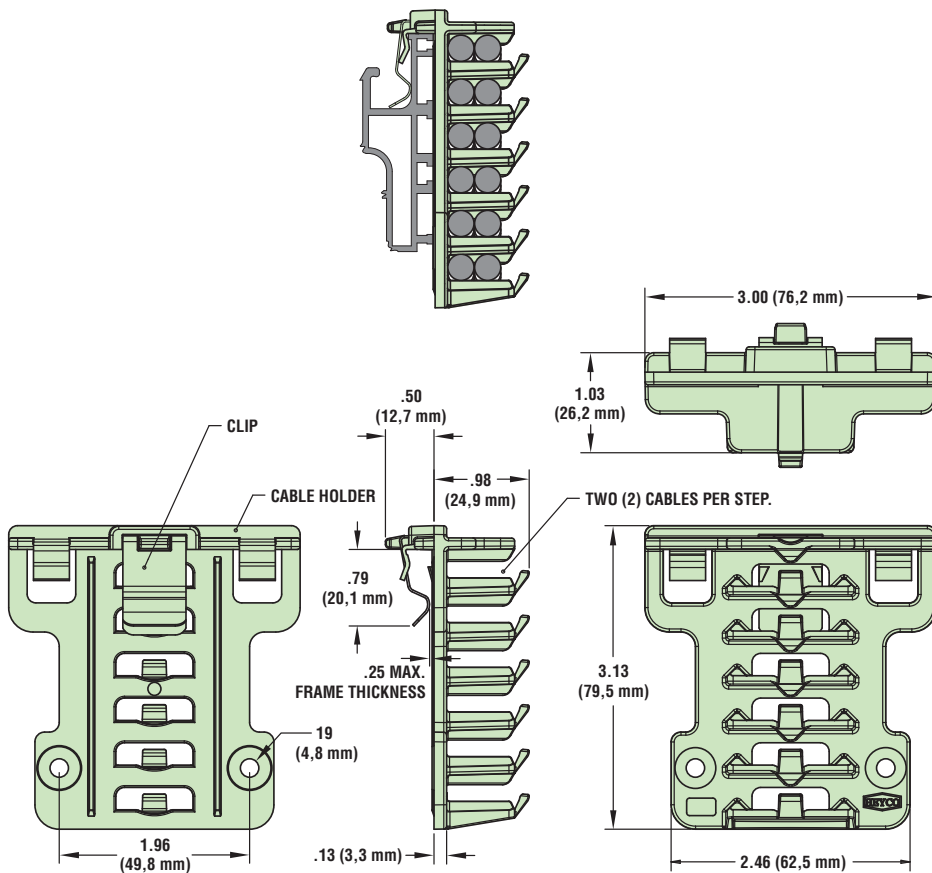
Accommodates up to 12 Cables, Clip Mount  
*The Ultimate in Solar Wire Management*

**ALL NEW PRODUCT!**



PANEL THICKNESS CLAMPING RANGE				WIRE DIA. RANGE		PART NO.	DESCRIPTION	FOOTPRINT		OVERALL HEIGHT	
Minimum	Maximum	Minimum	Maximum	Maximum (12) Wires				in.	mm.	in.	mm.
.06	1,5	.25	6,4	.20 - .28	5,2 - 7,2	<b>S6403</b>	MaxRunner® 12 Clip Mount	3.00 x 3.13	76,2 - 79,5	.98	24,9

- Holds up to 12 cables with wire diameters ranging from .20" (5,2 mm) to .28" (7,2 mm).
- Patent Pending design is the ultimate in solar wire management.
- Constructed from PPE+PS flame retardant "Noryl" material with a 301 stainless steel mounting clip.
- The versatile stainless steel mounting clip is designed to secure the holder to a wide variety of aluminum extruded mounting frames of various thicknesses and profiles up to .250" (6,4 mm) thick.
- The injection molded wire holder has a V0 flame rating and a UV (f1) rating for excellent resistance to outdoor exposure.
- Molded internal locking tabs securely hold the cables in place preventing side-to-side movement or slippage of the cables.



<b>Material</b>	PPE & PS "Noryl" with 301 stainless steel mounting clip
<b>Certifications</b>	<ul style="list-style-type: none"> <li>UL Listed under Underwriters' Laboratories File E54523</li> <li>Certified by UL for Compliance with both Canadian and U.S. requirements under File E54523</li> </ul>
<b>Flammability Rating</b>	94V-0
<b>Temperature Rating</b>	Maximum material rating 203°F (95°C)

*Quick Specs*

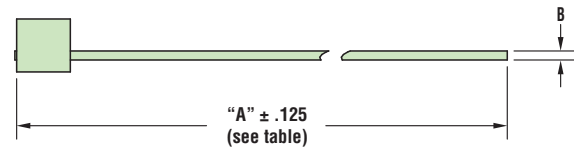


## Heyco® SunBundler® Stainless Steel Cable Ties

- **Extremely durable, vinyl jacketed Stainless Steel Cable Tie.**
- Smooth vinyl jacketing prevents damage to installation cable insulation.
- Stainless steel crimp sleeve for easy field installation with electrician linesman pliers, or wire cutters.
- UV protected vinyl jacket is excellent for solar installation where product durability is required.
- Use standard wire cutters to both crimp the sleeve and cut the excess wire.
- Constructed from Commercial Aircraft Grade Stainless wire with UV protected vinyl jacket.

PART SPECIFICATIONS				PART NO.	DESCRIPTION	PART DIMENSIONS			
Minimum Tensile Strength		Maximum Bundle Diameter				A Length	B Diameter		
Lbs.	N	in.	mm.	Black *	in.	mm.	in.	mm.	
100	440	2.30	58,4	<b>S6408</b>	SunBundler® 8	8	203	.06	1,6
		2.92	74,2	<b>S6410</b>	SunBundler® 10	10	254		
		3.88	98,6	<b>S6412</b>	SunBundler® 12	12	305		
		4.20	106,7	<b>S6414</b>	SunBundler® 14	14	356		
		6.36	161,5	<b>S6420</b>	SunBundler® 20	20	508		

\*Black vinyl jacketed 302/304 stainless steel wire.



**Material**

Commercial Aircraft Grade 302/304 stainless wire w/UV protected vinyl jacket and 304 stainless steel crimp sleeve

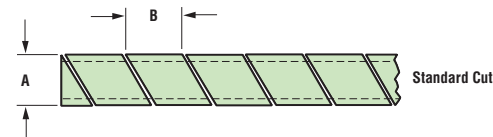
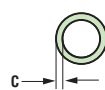


## Heyco® SunWrap™ –Heavy Duty Cable Guard

- **Easy to use: Just twist on wire!**
- Designed to shield heavier cables and cable bundles; **extend cable life.**
- Available in a **variety of sizes** that fit cable and cable bundles from 3/4” to 6” in diameter.
- **Smooth finished interior wall.**
- **Highly flexible** for ease of movement.
- Packaged as one continuous piece in a box, not spooled.
- May be **cut to desired length**, please consult Heyco.

BUNDLE RANGE				PART NO.	DESCRIPTION	PART DIMENSIONS					
Minimum Diameter		Maximum Diameter				Black	A Outside Dia.		B Pitch		C Thickness
in.	mm.	in.	mm.		in.	mm.	in.	mm.	in.	mm.	
.750	19,1	1.500	38,1	<b>8964</b>	CWG 99 PE	.93	23,6	.95	24,1	.12	3,0
1.000	25,4	2.000	50,8	<b>8966</b>	CWG 126 PE	1.12	28,4	1.25	31,8	.13	3,3
1.250	31,8	2.500	63,5	<b>8968</b>	CWG 153 PE	1.37	34,8	1.35	34,3	.14	3,5
1.500	38,1	3.000	76,2	<b>8970</b>	CWG 181 PE	1.62	41,1	1.50	38,1	.15	3,9
2.000	50,8	3.500	88,9	<b>8972</b>	CWG 234 PE	2.09	53,1	1.60	40,6	.17	4,3
3.500	88,9	6.000	152,4	<b>8974</b>	CWG 401 PE	3.50	88,9	1.95	49,5	.25	6,4

\*Standard color black or color coded



**Material**  
Temperature Range

High Density Polyethylene  
0°F (-18°C) to 165°F (74°C)

*Quick Specs*





## Heyco® SunWrap™ -Polyethylene

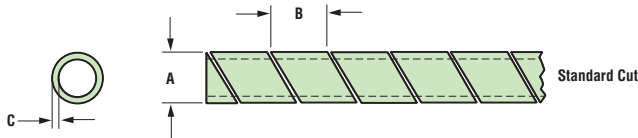


BUNDLE RANGE				PART NO.		DESCRIPTION	PART DIMENSIONS					
Minimum Diameter		Maximum Diameter		UV Black	Natural		A Outside Diameter		B Pitch		C Thickness	
in.	mm.	in.	mm.				in.	mm.	in.	mm.	in.	mm.
.125	3,2	1.500	38,1	8904	8905	CW 187 PE*	.187	4,8	.250	6,3	.031	0,8
.187	4,8	2.000	50,8	8908	8909	CW 250 PE	.250	6,3	.375	9,5	.045	1,1
.312	7,9	3.000	76,2	8912	8913	CW 375 PE	.375	9,5	.438	11,1	.052	1,3
.375	9,5	4.000	101,6	8916	8917	CW 500 PE	.500	12,7	.500	12,7	.062	1,6
.500	12,7	4.500	114,3	8920	8921	CW 625 PE*	.625	15,9	.625	15,9	.062	1,6
		5.000	127,0	8924	8925	CW 750 PE	.750	19,1	.750	19,1	.065	1,7
1.000	25,4	7.000	177,8	8928	8929	CW 1000 PE	1.000	25,4	1.000	25,4	.080	2,0

Standard colors UV black or natural.  
\* Parts are not UR recognized.

- **Easy to use: Just twist on wire!**
- Allows breakouts of single/multiple wires and re-routing of replacement wires.
- Absorbs vibration, insulates cables, and resists abrasion.
- Multiple sizes bundle and protect cables, wires, tubing, and hoses from .125" (3,2 mm) to 7" (177,8 mm) diameters.
- Available in UV black or natural color.
- For hose and cable **clamps**, see pages 7-1 through 7-5 in Heyco's Catalog 113.

<b>Material Certifications</b>	<b>Polyethylene</b> Recognized under the Component Program of Underwriters' Laboratories File E173954
<b>Conforms to:</b>	Fed Spec LP390, Mil I-631D, Mil P-21922B
<b>Temperature Range</b>	-76°F (-60°C) to 190°F (88°C) UL rated temp not to exceed 122°F (50°C)



## Heyco® SunWrap™ -Nylon



BUNDLE RANGE				PART NO.		DESCRIPTION	PART DIMENSIONS					
Minimum Diameter		Maximum Diameter		UV Black	Natural		A Outside Diameter		B Pitch		C Thickness	
in.	mm.	in.	mm.				in.	mm.	in.	mm.	in.	mm.
.125	3,2	1.500	38,1	8936	8937	CW 187 N*	.187	4,8	.250	6,3	.020	0,5
.187	4,8	2.000	50,8	8940	8941	CW 250 N	.250	6,3	.375	9,5	.025	0,6
.312	7,9	3.000	76,2	8944	8945	CW 375 N	.375	9,5	.438	11,1	.035	0,9
.375	9,5	4.000	101,6	8948	8949	CW 500 N	.500	12,7	.500	12,7	.035	0,9
.500	12,7	4.500	114,3	8952	8953	CW 625 N*	.625	15,9	.625	15,9	.032	0,8
		5.000	127,0	8956	8957	CW 750 N	.750	19,1	.750	19,1	.032	0,8
1.000	25,4	7.000	177,8	8960	8961	CW 1000 N	1.000	25,4	1.000	25,4	.032	0,8

Standard colors UV black or natural.  
\* Parts are not UR recognized.

- **Easy to use: Just twist on wire!**
- Allows breakouts of single/multiple wires and re-routing of replacement wires.
- Absorbs vibration, insulates cables, and resists abrasion.
- Multiple sizes bundle and protect cables, wires, tubing, and hoses from .125" (3,2 mm) to 7" (177,8 mm) diameters.
- Available in UV black or natural nylon color.
- For hose and cable **clamps**, see pages 7-1 through 7-5 in Heyco's Catalog 113.

<b>Material Certifications</b>	<b>Nylon</b> Recognized under the Component Program of Underwriters' Laboratories File E173954
<b>Conforms to:</b>	ASTM D 4066, Group 2; Fed Spec LP410
<b>Temperature Range</b>	-40°F (-40°C) to 250°F (121°C) UL rated temp not to exceed 149°F (65°C)

Quick Specs



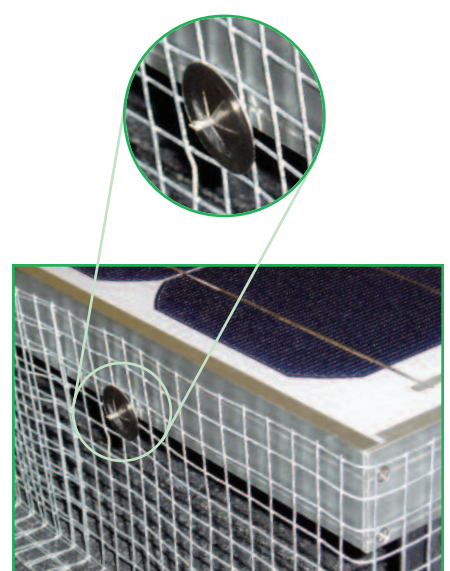
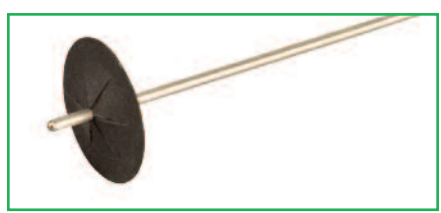
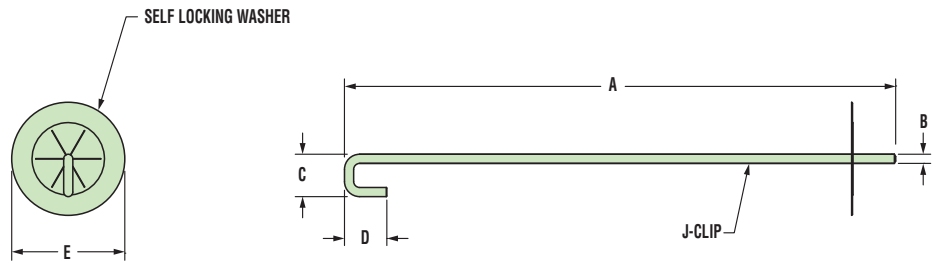
**ALL NEW  
PRODUCT!**



# Heyco® SunScreener® Wire Mesh Clip

- Helps protect solar panels from rodents and nesting birds with wire mesh screening (screening not included).
- Constructed from 303 and 304 Stainless Steel for maximum endurance to outdoor elements.
- 303 Stainless Steel J-Hook easily attaches to the solar panel frames.
- 304 Stainless Steel Washers will firmly hold wire mesh screen to the module assembly preventing squirrels and rodents from damaging the interconnection wires and birds from building nests under the solar panel.
- Does not violate panel integrity.
- The Stainless Steel J-Hook can easily be trimmed or bent after assembly.
- Installs quickly and easily with standard linesman pliers
- Black color available for those applications subject to **HOA appearance restrictions**.
- Stainless Steel Washers are offered in both steel color and black painted versions.

PART NO.		PART DIMENSIONS									
Stainless Steel	Black	A Overall Length		B J-Clip Diameter		C J-Clip Width		D J-Clip Height		E Washer Diameter	
		in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
S6437	S6438	4.87	124,0	.08	2,0	.38	9,7	.38	9,7	1.00	25,4



*Quick  
Specs*

Material	J-Hook	303 Stainless steel
	Washer	304 Stainless steel



# HEYCo-molded™ Liquid Tight Break-Thru Plugs

Mounting Hole Diameter Range: .500" (12,7 mm) to 1.500" (38,1 mm)

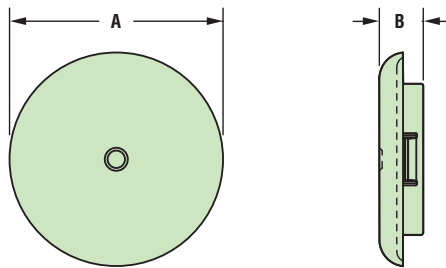


PANEL DIMENSIONS				CABLE DIAMETER RANGE		PART NO.	DESCRIPTION	PART DIMENSIONS			
Thickness at Locking Finger Steps	Mounting Hole Diameter*							A Head Diameter		B Overall Height	
		in.	mm.	in.	mm.	Black		in.	mm.	in.	mm.
<b>For Panels up to .063" (1,6 mm) Thick</b>											
.020	0,5	.500	12,7	.080 - .200	2,0 - 5,1	<b>C2008</b>	LTBP 500-063	.92	23,4	.32	8,1
.032	0,8	.625	15,9	.130 - .375	3,3 - 9,5	<b>C2012</b>	LTBP 625-063	1.03	26,2		
.040	1,0	.750	19,1	.175 - .400	4,4 - 10,2	<b>C2016</b>	LTBP 750-063	1.15	29,2		
.048	1,2	.875	22,2	.130 - .450	3,3 - 11,4	<b>C2020</b>	LTBP 875-063	1.28	32,5		
.063	1,6	1.000	25,4	.200 - .715	5,1 - 18,2	<b>C2022</b>	LTBP 1000-063	1.43	36,3		
		1.093	27,8	.250 - .765	6,4 - 19,4	<b>C2024</b>	LTBP 1093-063	1.53	38,9		
<b>For Panels from .063" (1,6 mm) to .250" (6,4 mm) Thick</b>											
.063	1,6	.500	12,7	.080 - .200	2,0 - 5,1	<b>C2058</b>	LTBP 500-250	.92	23,4	.64	16,3
.080	2,0	.625	15,9	.130 - .375	3,3 - 9,5	<b>C2062</b>	LTBP 625-250	1.03	26,2		
.094	2,4	.750	19,1	.175 - .400	4,4 - 10,2	<b>C2066</b>	LTBP 750-250	1.15	29,2		
.125	3,2	.875	22,2	.130 - .450	3,3 - 11,4	<b>C2070</b>	LTBP 875-250	1.28	32,5		
.157	4,0	1.000	25,4	.200 - .715	5,1 - 18,2	<b>C2072</b>	LTBP 1000-250	1.43	36,3		
.200	5,1	1.093	27,8	.250 - .765	6,4 - 19,4	<b>C2074</b>	LTBP 1093-250	1.53	38,9		
.250	6,4	1.375	34,9	.300 - .950	7,6 - 24,1	<b>C2080</b>	LTBP 1375-250	1.80	45,7		
		1.500	38,1	.375 - 1.060	9,5 - 26,9	<b>C2082</b>	LTBP 1500-250	1.93	49,0		

ALL NEW PRODUCTS!

Standard color black. Consult Heyco for other colors.

\*Consult Heyco for other Mounting Hole Diameters. Our Axcell Rapid Response Team is ready to meet your requirements.

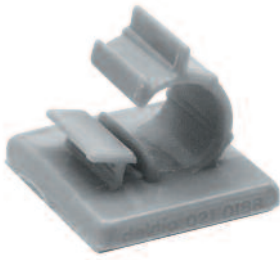


- These **co-molded** nylon and elastomer parts function as **Liquid Tight Plugs** with an IP 67/68 rating, yet can be pierced by **round wire, cable or tubing** to function as **Liquid Tight Bushings** with the same resulting IP 67/68 rating.
- **Certified by UL under UL 635**
- For use in panels as thin as .020" (0,5 mm) and as thick as .250" (6,4 mm).
- Provide liquid tight closure when used as a plug. When pierced, function as a liquid tight bushing that convert raw edged holes to smooth, neat, insulated holes.
- Used as a liquid tight bushing, HEYCo-molded Liquid Tight Break-Thru Plugs insulate and mechanically protect electrical and telecommunications cable, tubing, hose, rope, and utility lines.
- Locking fingers snap into holes with fingertip pressure.
- Locking fingers in fractional increments up to the maximum panel thickness.
- Withstand a push back force of greater than 35 pounds.
- Available in multiple sizes for use in .500" (12,7 mm) to 1.500" (38,1 mm) diameter holes.



Materials	Nylon 6/6 and TPE
Certifications	Recognized under the Component Program of Underwriters' Laboratories File E15331
Flammability Rating	HB
Temperature Rating	-40°F (-40°C) to 212°F (100°C)
IP Rating	IP 67/68

Quick Specs



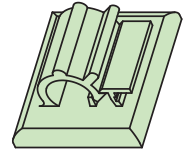
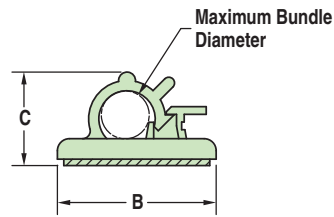
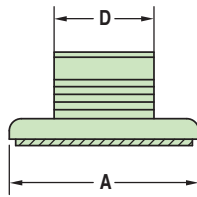
# HEYClip™ Nylon Wire Clips

## Adhesive-Backed

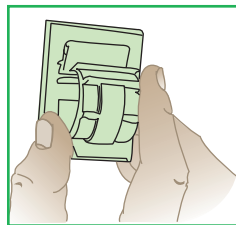
- Releasable and reusable clips for easy wire bundle routing.
- Quick and easy installation—simply peel off backing and press into place.
- Made of Nylon 6/6 with a 94V-2 flammability rating.
- Seven sizes for bundles from .187” (4,7 mm) to 1.500” (38,1 mm) in diameter.
- Apply to a clean, dry surface.
- Three sizes in Super Adhesive Gray.
- Super adhesive temperature range is -40°F (-40°C) to 250°F (121°C).

MAXIMUM BUNDLE DIAMETER		RATED STATIC LOAD	PART NO. Adhesive			DESCRIPTION	FOOTPRINT		OVERALL HEIGHT		CLAMP WIDTH	
in.	mm.		lb.	Standard Gray	Standard Black		Super Gray	A x B		C		D
.187	4,7	1/2	3857	3917	-	WCA 187-500	.74 x .62	18,8 x 15,7	.34	8,6	.39	9,9
.250	6,4	3/4	3858	3918	3858A	WCA 250-750	1.00 x .87	25,4 x 22,1	.42	10,7	.63	16,0
.375	9,5	1	3859	3919	3859A	WCA 375-1000	1.00 x 1.00	25,4 x 25,4	.50	12,7		
.500	12,7	1-1/4	3860	3920	3860A	WCA 500-1250	1.00 x 1.21	25,4 x 30,7	.68	17,3	.64	16,3
.750	19,1	1-3/4	3861	3921	-	WCA 750-1750	1.15 x 1.45	29,2 x 36,8	.99	25,1		
1.000	25,4	4	3867	3923	-	WCA1000-4000	1.98 x 2.24	50,3 x 56,9	1.37	34,8	1.26	32,0
1.500	38,1	6	3868	3930	-	WCA 1500-6000	2.42 x 2.95	61,5 x 74,9	1.77	45,0	1.31	33,3

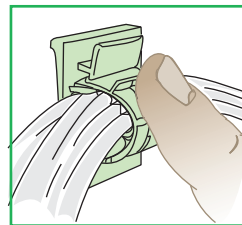
Standard color gray or black. Super duty adhesive backing available as shown.



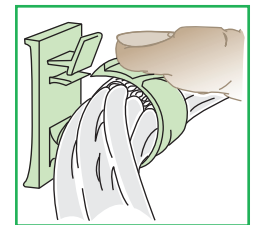
## Adhesive-Backed Wire Clip Instructions



HEYClip attaches easily to any commercial surface. Backing strips off easily.



Unique closure operates easily, locks securely. When closed, HEYClip will not release until push tab is released.



HEYClip opens easily to permit removal of bundle.

## Quick Specs

Material	Nylon 6/6
Flammability Rating	94V-2
Temperature Range	-20°F (-29°C) to 150°F (66°C)
Recommended Storage Temperature	From 60°F (16°C) to 80°F (27°C) with approximate relative humidity of 50%
Rated Static Loads	Pertain to parts fastened to a flat, clean, and dry surface



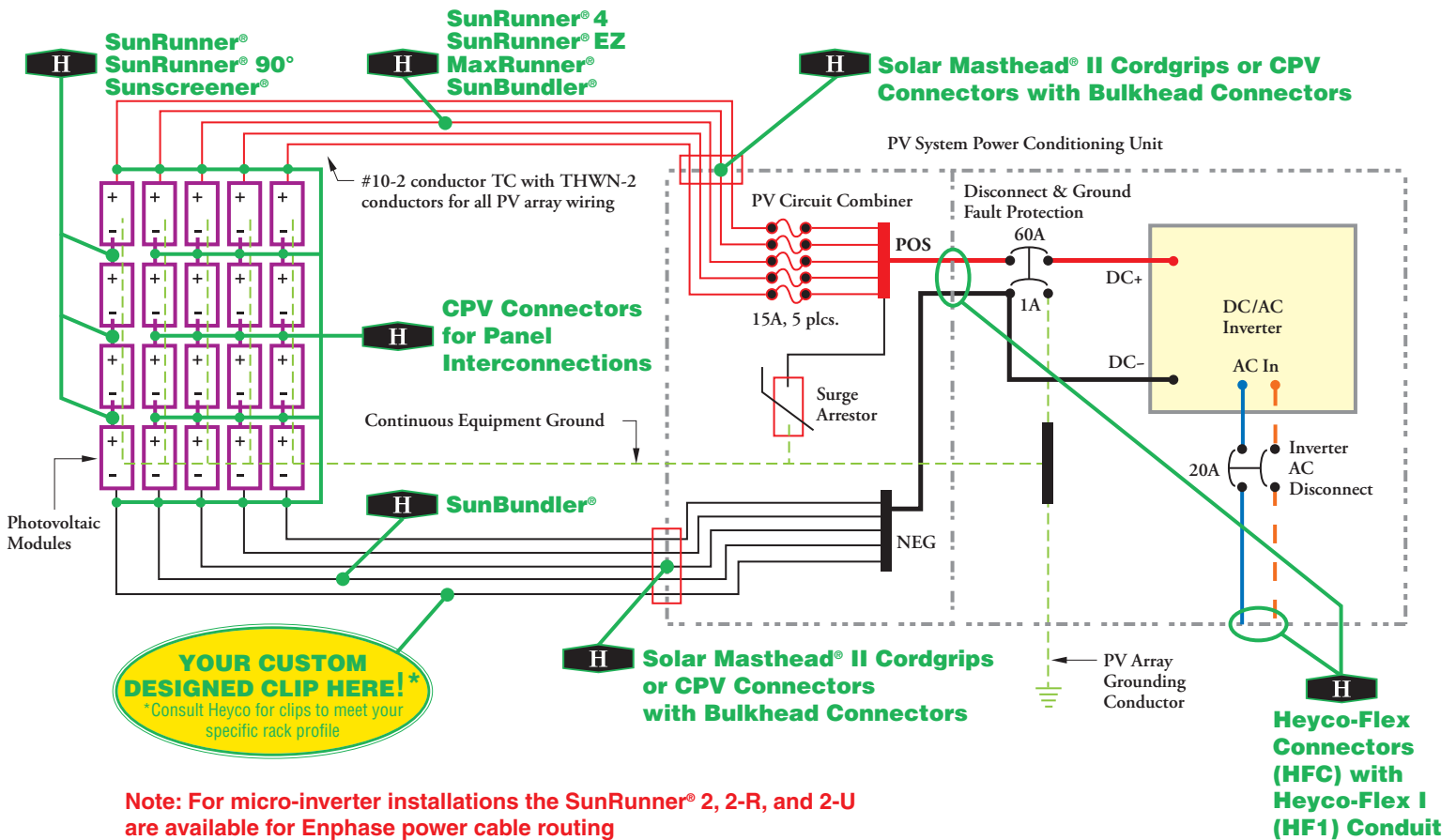
## Heyco<sup>®</sup> Solar Power Components LabKit #9 (Part No. 3000)

### Use Heyco LabKits!

- Heyco LabKits are perfect for product design departments, experimental labs, and for all prototype work.
- The Heyco Solar Power Components LabKit #9 contains an assortment of our most popular Solar Panel Connectors, Cordgrips, Clips and other accessories.
- Heyco also offers LabKits for Liquid Tight Cordgrips, Strain Relief Bushings, Hole Plugs, Hardware, Power Components and Grommets.
- Parts in LabKits are available in various sizes and colors. Please consult Heyco for further information.



# Heyco® Solar Power Components Used in Typical Grid-Tiered PV System



**“Stay Connected with Heyco” Power Components**

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