



# KABELBINDERS



## PA 12 SOLAR KABELBINDERS



### Description

With the development of the solar energy industry, from solar panels, modules and system assembly projects to large-scale PV power stations, WEDI TRADE provides comprehensive solutions in the solar energy industry, including cable ties, cable tie mounts, flexible conduits, and edge clips. This solution not only considers quality and cost, saves more installation time, but performs well in harsh environments and prolongs product life.

Polyamide 12 (Solar / Photovoltaic) Cable Ties, standard cross section, 7.8" (200mm) length, 45lbf tensile strength



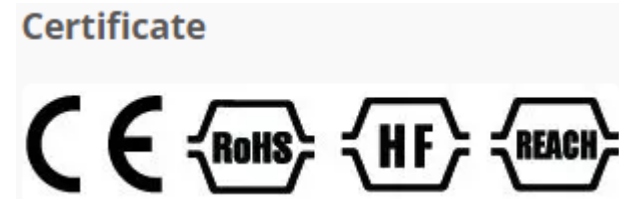
## Specail purpose

### Features

- Good weather resistance, high UV resistance, suitable for long-term outdoor use
- High resistance to chemical substances (such as chloride)
- Higher temperature tolerance than other products
- Impact resistance, high durability
- Internal serrations allowing for a positive hold onto cable and pipe bundles
- The design of the head guarantees a high tensile strength while allowing a very low insertion force
- Operating Temperature: -40~95 °C (-40~203°F)

### Applications:

- Ideal for solar industries application, such as:
- Solar Panel Solar Module
- Solar System Assembly and Installation
- Solar Related Components (such as inverter)
- Solar EPC (Engineering, Procurement, and Construction)
- Salt and Fog Spray Environment



### Desert Area

- Excellent Performance in Challenging Environments (such as offshore, oil rigs, melting snow and freezing cold areas)

## Polyamide 12 Cable Tie (Solar / Photovoltaic Cable Tie) with Excellent Salt Damage Resistance & Chemical Resistance

In the Solar Industry, there are only few brands as the market player. The standard for PA12 cable ties is over 3600 hours of UV exposure continually in a UV chamber. Indeed, there are few manufacturers can produce PA12 cable ties to meet the strict standard for 3600 hours of UV exposure, but we can.

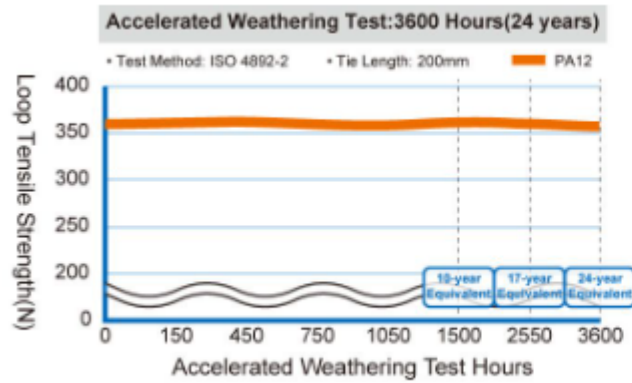
Is there only one choice neither quality nor price for you? We can help you save more and safe more in PA12 cable ties.



Briefly, choosing PA12 has the following advantages:

- The standard for PA12 cable ties is over 3600 hours of UV exposure continually in a UV chamber. The UV strength is equivalent to about 24 years of weather resistance.
- Highly resistant to chemicals such as chlorides, suitable for solar galvanized steel installation.
- Excellent performance in challenging environments such as offshore, oil rigs, melting snow and freezing cold areas.
- Low hygroscopicity-saturation is about 1% at 23°C and 50% relative humidity.
- Excellent salt and chemical resistance.
- Better impact performance.

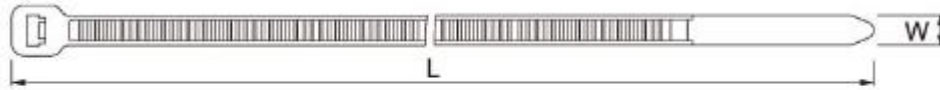
Material	Operating Temperature		UL94 Flammability Rating	UV Resistance	Salt Damage Resistance	Chemicals Resistance	Impact Resistance
	Max.	Min.					
Polyamide 12 (PA 12)	95°C 203°F	-40°C -40°F	UL94HB	Excellent	Excellent	Excellent	Excellent
Polyamide 6,6 Weather Resistant (PA 66 UV)	85°C 185°F	-40°C -40°F	UL94V-2	Good	Normal	Normal	Normal
Polyamide 6,6 (PA 66)	85°C 185°F	-40°C -40°F	UL94V-2	Normal	Normal	Normal	Normal



PA12 Cable Tie showed almost no deterioration of strength even after an accelerated weathering test equivalent to approximately 24 years of weather exposure.

# In this test, 150hours equals one year.

\*Caution: The specified data are measured values and are not guaranteed. Note that they are reference data obtained under certain conditions and they do not indicate the durability (service life) in actual use.



Wt partnumber

- BASPRWT-0250100-0100
- BASPRWT-0360140-0100
- BASPRWT-0480200-0100
- BASPRWT-0480250-0100
- BASPRWT-0480300-0100
- BASPRWT-0480370-0100

**PA12 Cable Ties Specification:**

Part No.	Length (L) mm (inch)	Width (W) mm (inch)	Max.Bundle ø mm (inch)	Min. Loop Tensile Strength		
				N	kgf	lbf
GT-100M-PA12	100 (3.94)	2.5 (0.10)	22 (0.87)	80	8.2	18
GT-150I-PA12	150 (5.91)	3.6 (0.14)	35 (1.38)	178	18.2	40
GT-200ST-PA12	200 (7.87)	4.8 (0.19)	50 (1.97)	222	22.6	50
GT-250ST-PA12	250 (9.84)	4.8 (0.19)	60 (2.36)	222	22.6	50
GT-300ST-PA12	300 (11.81)	4.8 (0.19)	76 (2.99)	222	22.6	50
GT-370ST-PA12	370 (14.57)	4.8 (0.19)	102 (4.02)	222	22.6	50



Met de ontwikkeling van de zonne-energie-industrie, van zonnepanelen, modules en systeemasssemblageprojecten tot grootschalige PV-energiecentrales, biedt WEDI TRADE uitgebreide oplossingen in de zonne-energie-industrie, waaronder kabelbinders, kabelbinderbevestigingen en P-klemmen. Deze oplossing houdt niet alleen rekening met kwaliteit en kosten, bespaart meer installatietijd, maar presteert ook goed in ruwe omgevingen en verlengt de levensduur van het product.

Het op de juiste manier beveiligen van fotovoltaïsche geleiders en draden hangt nauw samen met de productiviteit, veiligheid en levensduur van zonnepanelen. Over het algemeen installeert u bij zonnevolgsystemen het draadbeheer elke 1,2 m (4 ft) of minder langs de torsiebuis of vastgemaakt aan het moduleframe. Een goed geïnstalleerd PV-systeem vergt zeer weinig onderhoud en heeft een levensduur van 24 jaar. Gebruik daarom Nylon 12 kabelbinders die speciaal zijn ontworpen voor toepassingen in zonne-energiesystemen.

Als reactie op de levensduur van fotovoltaïsche systemen op zonne-energie doet WEDI TRADE zijn best om het beter te maken! De UV-testprestaties van onze zonnebanden zijn toonaangevend in de sector: ze doorstaan de UV-test van 3600 uur.

- Goede weersbestendigheid, hoge UV-bestendigheid, geschikt voor langdurig buitengebruik
- Hoge weerstand tegen chemische stoffen (zoals chloride)
- Hogere temperatuurtolerantie dan andere producten
- Slagvastheid, hoge duurzaamheid
- Lage hygroscopiciteit-verzadiging is ongeveer 1% bij 23°C en 50% relatieve vochtigheid
- Het ontwerp van de kop garandeert een hoge treksterkte en maakt tegelijkertijd een zeer lage inbrengkracht mogelijk
- Bedrijfstemperatuur: -40~95 °C (-40~203°F)





# KABELBINDERS



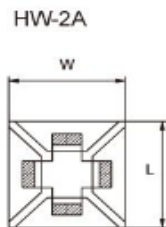
## PA 12 KLEEFZADELS



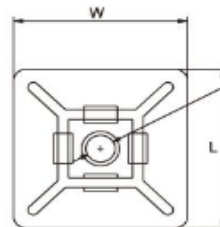
Outdoor use



Solar industry



HW-3A, HW-4A



Mounting Hole  $\varnothing$



### WT PARTNUMBER

BLPZRWT-ZP121313-100

BLPZRWT-ZP121919-100

BLPZRWT-ZP122828-100

Part No.	Length (L) mm (inch)	Width (W) mm (inch)	Height (H) mm (inch)	Mounting Hole $\varnothing$ mm (inch)	Max. Tie Width mm (inch)
HW-2A-PA12	12.7 (0.50)	12.7 (0.50)	3.2 (0.13)	--	3.2 (0.13)
HW-3A-PA12	19.0 (0.75)	19.0 (0.75)	4.4 (0.17)	3.5 (0.14)	4.0 (0.16)
HW-4A-PA12	27.8 (1.09)	27.8 (1.09)	5.7 (0.22)	5.7 (0.22)	5.3 (0.21)



# PA 12 SCHROEFZADELS

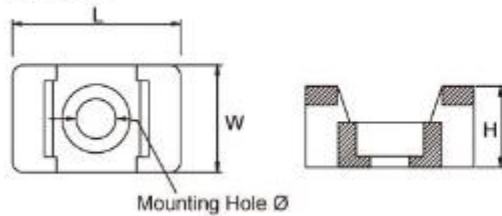


Outdoor use

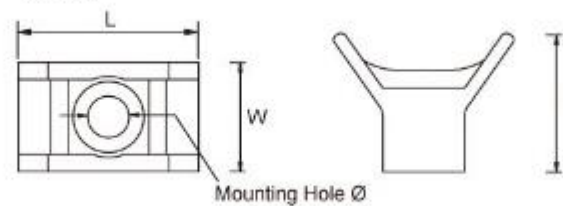


Solar industry

TM-2S, 3S



TM-1A10



WT PARTNUMBER

BLSZRWT-ZP121015-100	TM-2S8-PA12	14.9 (0.59)	9.5 (0.37)	7.2 (0.28)	4.5 (0.18)	4.8 (0.19)
BLSZRWT-ZP122116-100	TM-3S8-PA12	21.9 (0.86)	15.9 (0.63)	9.7 (0.38)	4.5 (0.18)	9.0 (0.35)





# SLANGKLEMMEN



## P-CLIPS zwart PA12



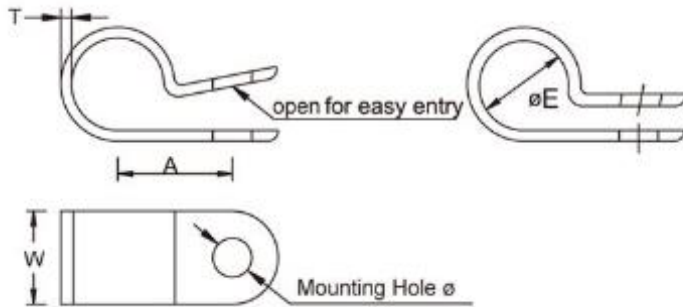
Outdoor use



Solar industry

Deze nylon P-clips wordt gebruikt voor het eenvoudig bevestigen van kabels en buizen door middel van een schroef. Ze hebben een specifiek klembereik. Het schroefgat is steeds 5.5 mm. Ze zijn vervaardigd uit zwart PA12 nylon en door de uitstekende UV bestendigheid uiterst geschikt voor solar en fotovoltaïsche installaties.





**WT PARTNUMBER**

AMPCRWT-P1204855-100
AMPCRWT-P1206655-100
AMPCRWT-P1207855-100
AMPCRWT-P1209755-100
AMPCRWT-P1212754-100
AMPCRWT-P1218653-100
AMPCRWT-P1221853-100
AMPCRWT-P1227953-100

Part No.	Mounting Hole Centers (A) mm (inch)	Width (W) mm (inch)	Thickness (T) mm (inch)	Max.Bundle ø (E) mm (inch)	Mounting Hole ø mm (inch)
GCL-3/16S-PA12	9.6 (0.38)	9.1 (0.36)	1.3 (0.05)	4.8 (0.19)	5.5 (0.21)
GCL-1/4S-PA12	10.3 (0.41)	9.1 (0.36)	1.3 (0.05)	6.6 (0.26)	5.5 (0.21)
GCL-5/16S-PA12	10.6 (0.42)	9.1 (0.36)	1.3 (0.05)	7.8 (0.31)	5.5 (0.21)
GCL-3/8S-PA12	11.9 (0.47)	9.2 (0.36)	1.3 (0.05)	9.7 (0.38)	5.5 (0.21)
GCL-1/2S-PA12	23.8 (0.94)	9.4 (0.37)	1.3 (0.05)	12.7 (0.5)	5.4 (0.21)
GCL-3/4-PA12	19.8 (0.78)	12.7 (0.50)	1.5 (0.06)	18.6 (0.73)	5.3 (0.21)
GCL-7/8-PA12	21.4 (0.84)	12.7 (0.50)	1.5 (0.06)	21.8 (0.86)	5.3 (0.21)
GCL-1-1/8-PA12	24.6 (0.97)	12.7 (0.50)	1.5 (0.06)	27.9 (1.10)	5.3 (0.21)

Part Name	Polyamide 12 (Solar / Photovoltaic) Screw Mount Cable Clamps
Material	PA12
Flame rating	UL94HB
Color	Black
Certificate	CE,RoHs,HF,REACH