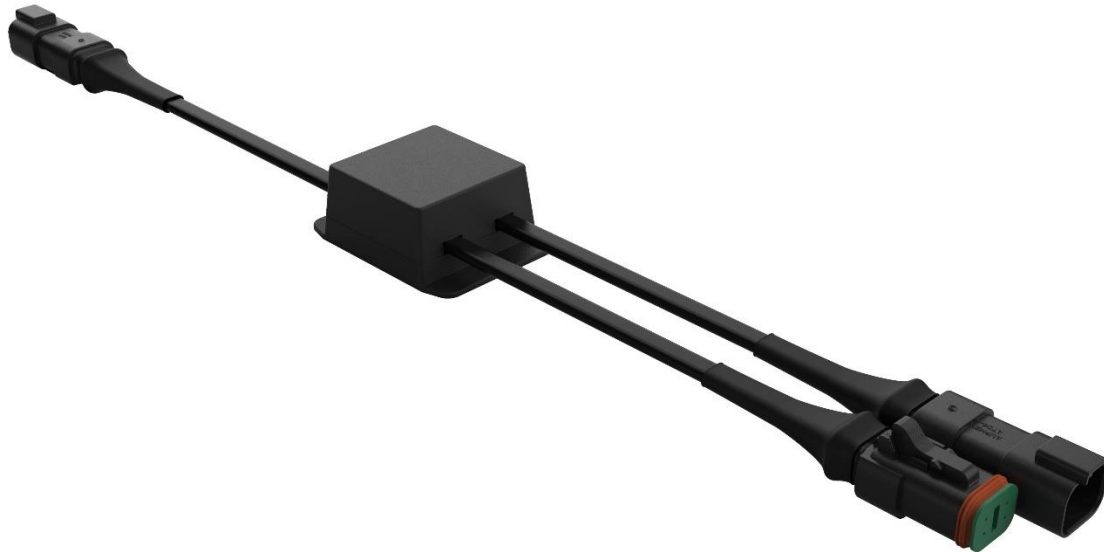


SMART PXL Power Injector (24V/48V)

Inject power to your Smart PXL system to increase the number of Dots per string.



Use the Power injector to get the most value from your Smart PXL Dot system by combating the effect of voltage drop and increasing the number of Dots that can be connected to each controller's data output.

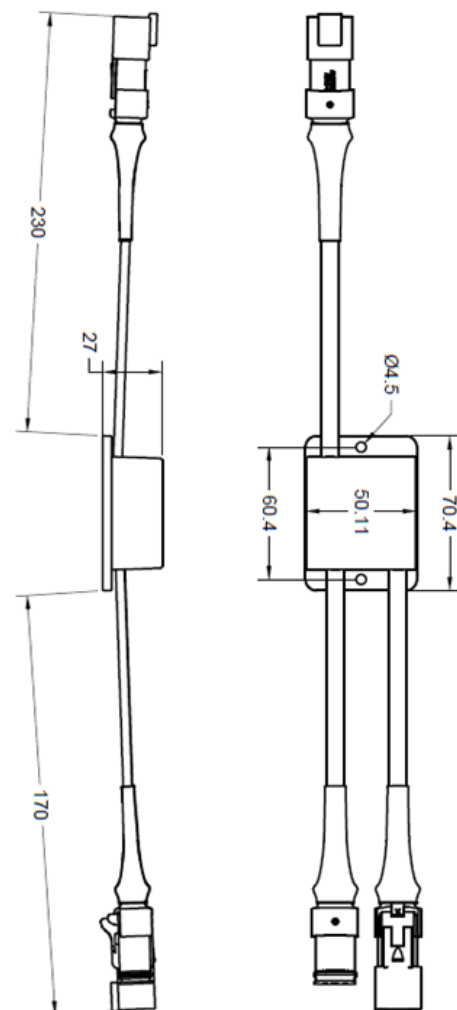
By adding more injectors and power supplies you can keep on extending until you reach the data limit of your system.

For specification information for custom pixel pitches, see the Smart PXL installation guide or speak to a member of ENTTEC's technical sales team.

Features:

- Inject up to 10A of power to extend the number of dots that can be connected to each pixel controller.
- Voltage transient protection on the VCC and Data+ lines.
- Reverse polarity protection.
- Compatible with ENTTEC Smart PXL Dots.
- 1* IP67 Female Amphenol AT Series connectors with industrial grade heat shrink for added rigidity.
- 2* IP67 Male Amphenol AT Series connectors with industrial grade heat shrink for added rigidity.

Physical dimensions



Specification

IP rating	IP67
Wire Gauge	16AWG V+ and V- 20AWG data
Resistance	0.02Ω
Minimum cable bend radius	80.88mm/ 3.18in
Voltage	24V / 48V (see PN)
Max rated current.	10A
Max power dissipated	1W
Environmental operating temperature	-20°C to 50°C / -4°F to 122°F
Body material	Plastic
Conductor Material	Tinned copper
Mounting Hole Diameter	4.5mm / 0.18in Dia
Unit dimensions (mm)	70*51.5*22mm / 2.75*2.02*0.86in
Unit weight	0.14Kg / 0.30lbs
Packaging dimensions	160*140*40mm / 6.30*5.51*1.58in
Shipping weight (Kg)	0.20Kg / 0.44lbs
Warranty	3 year return to base manufacturer warranty

Certification



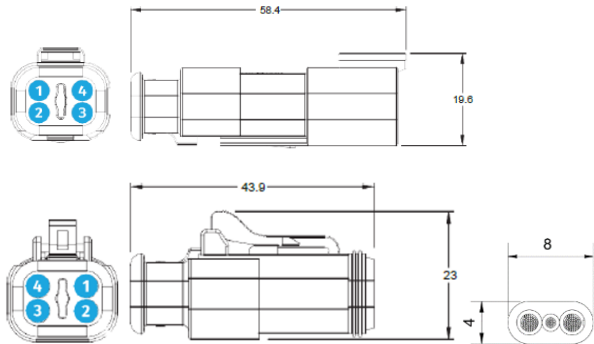
Box contents

- Power injector

Installation, operation & cleaning

- Installation, operation & cleaning of this accessory should be carried out in accordance with the Smart PXL Installation guide and adhere to all local electrical standards.
- This accessory contains no user serviceable parts.

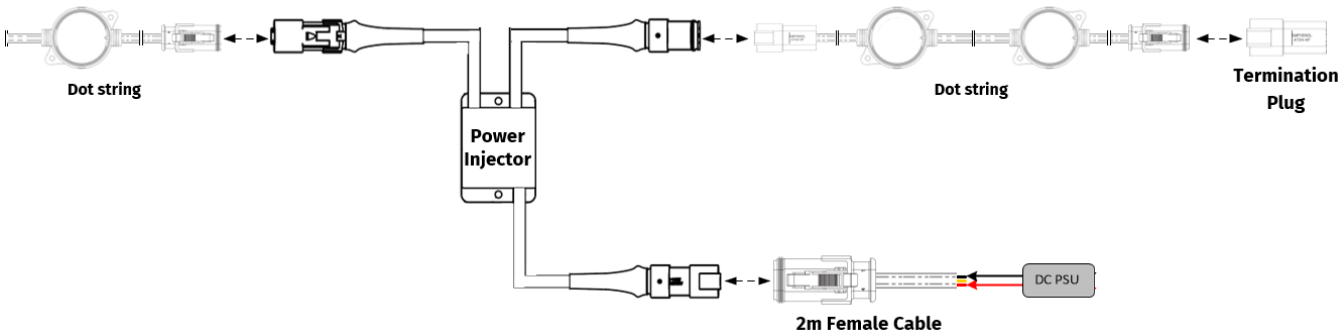
Pin output configuration



Pin Identification chart

	Cable	0V	DATA	+24VDC	+48VDC
24V	Dots In	Pin 1	Pin 2	Pin 3	-
	Dots Out				
	Power input				
48V	Dots In	Pin 1	Pin 2	-	Pin 4
	Dots Out				
	Power input				

Wiring diagram



Ordering information

Visit www.enttec.com for further support and browse ENTTEC's range of LED lighting and control products.

Item	Part No.
Power Injector (24V)	73019
Power Injector (48V)	73023

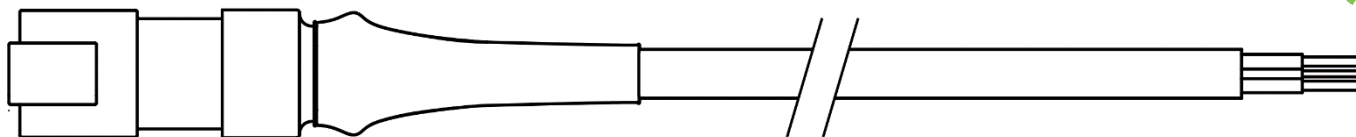
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2m Male Cable

Smart PXL DOT accessory (24V/48V)



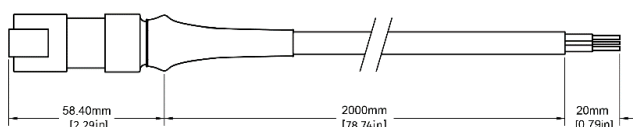
FEATURES

- IP67 Male Amphenol AT Series connector with industrial grade heat shrink for added rigidity.
- 3 core bare end.
- 2-meter round Fire Retardant PVC cable with resistance to UV.
- Compatible with ENTTEC Smart PXL Dots for fast connection.
- Longer cable length available. (contact us for more info)

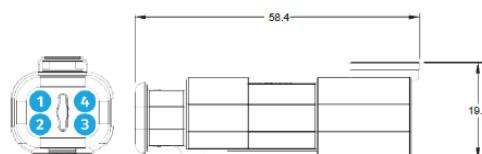
SPECIFICATION

IP Rating	IP67 (excl. bare end)
Total Length	2.08m / 81.8in
Core Count	3
Wire Gauge	16AWG
Conductor Size	1.50mm ²
Conductor stranding	7/0.50mm ²
Conductor Material	Copper (stranded)
Electrical Resistance	0.03Ω
Shield	Aluminum foil + tinned copper drain wire
Cable Diameter	6.74mm / 0.265in
Minimum Bend Radius	80.88mm / 3.18in
Cable Jacket	FRPVC
UV Resistant	Yes
Connector	Amphenol AT Series Male
Unit Weight	0.135kg / 0.30lbs
Packaging dimensions	Packaged on a custom order basis.
Warranty	3 year return to base manufacturer warranty.

PHYSICAL DIMENSIONS



PIN OUTPUT CONFIGURATION

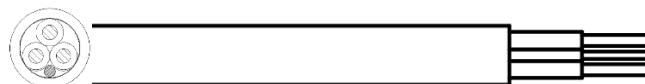


CORE IDENTIFICATION CHART

Each Smart PXL string or accessory is comprised of 3 stranded copper cores, the pinout is as follows:

	24V		48V	
Identifier	Function	Pin	Function	Pin
Black core	V-	1	V-	1
White	Data	2	Data	2
Red core	24V DC +	4	48V DC +	3

ENTTEC recommend the use of cable ferrules when connecting non-tinned cable.



ORDERING INFORMATION

Product	PN
2m Male Cable (24V)	73017
2m Male Cable (48V)	73021

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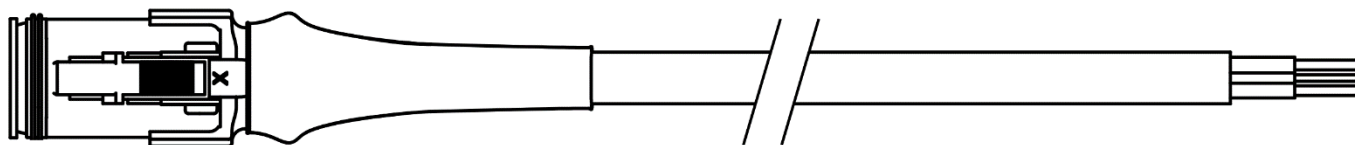
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2m Female Cable

Smart PXL DOT accessory (24V/48V)



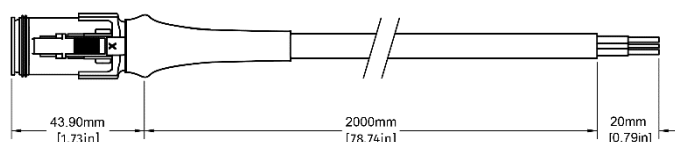
FEATURES

- IP67 Female Amphenol AT Series connector with industrial grade heat shrink for added rigidity.
- 3 core bare end.
- 2-meter round Fire Retardant PVC cable with resistance to UV.
- Compatible with ENTTEC Smart PXL Dots for fast connection.
- Longer cable length available. (contact us for more info)

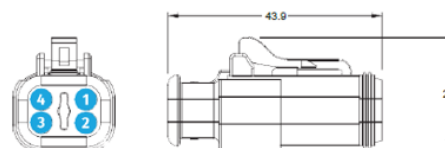
SPECIFICATION

IP Rating	IP67 (excl. bare end)
Total Length	2.07m / 81.26in
Core Count	3
Wire Gauge	16AWG
Conductor Size	1.50mm ²
Conductor stranding	7/0.50mm ²
Conductor Material	Copper (stranded)
Electrical Resistance	0.03Ω
Shield	Aluminum foil + tinned copper drain wire
Cable Diameter	6.74mm / 0.265in
Minimum Bend Radius	80.88mm / 3.18in
Cable Jacket	FRPVC
UV Resistant	Yes
Connector	Amphenol AT Series Female
Unit Weight	0.135kg / 0.30lbs
Packaging dimensions	Packaged on a custom order basis.
Warranty	3 year return to base manufacturer warranty.

PHYSICAL DIMENSIONS



PIN OUTPUT CONFIGURATION

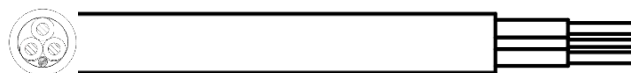


CORE IDENTIFICATION CHART

Each Smart PXL string or accessory is comprised of 3 stranded copper cores, the pinout is as follows:

	24V		48V	
Identifier	Function	Pin	Function	Pin
Black core	V-	1	V-	1
White	Data	2	Data	2
Red core	24V DC +	4	48V DC +	3

ENTTEC recommend the use of cable ferrules when connecting non-tinned cable.



ORDERING INFORMATION

Product	PN
2m Female Cable (24V)	73018
2m Female Cable (48V)	73022

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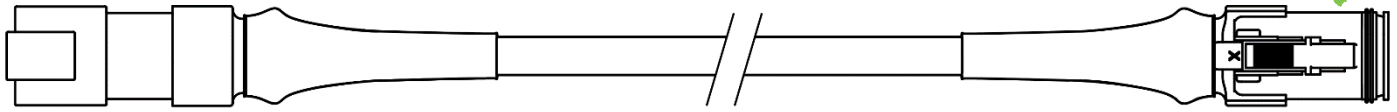
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2m Extension Cable

Smart PXL DOT accessory (24V/48V)



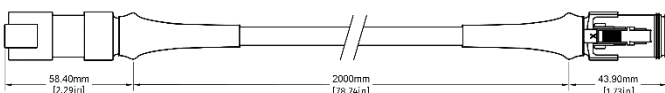
FEATURES

- IP67 Male Amphenol AT Series connector with industrial grade heat shrink for added rigidity.
- IP67 Female Amphenol AT Series connector with industrial grade heat shrink for added rigidity.
- 2-meter round Fire Retardant PVC cable with resistance to UV.
- Compatible with ENTTEC Smart PXL Dots for fast connection.
- Longer cable length available. (contact us for more info)

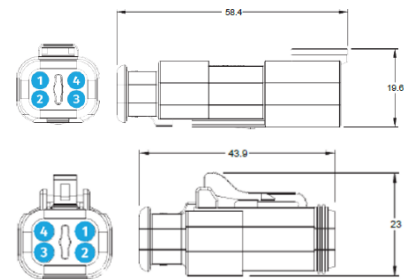
SPECIFICATIONS

IP Rating	IP67
Total Length	2.11m / 82.76in
Core Count	3
Wire Gauge	16AWG
Conductor Size	1.50mm ²
Conductor stranding	7/0.50mm ²
Conductor Material	Copper (stranded)
Electrical Resistance	0.032Ω
Shield	Aluminum foil + tinned copper drain wire
Cable Diameter	6.74mm / 0.265in
Minimum Bend Radius	80.88mm / 3.18in
Cable Jacket	FRPVC
UV Resistant	Yes
Connector	Amphenol AT Series
Unit Weight	0.175kg / 0.39lbs
Packaging dimensions	Packaged on a custom order basis.
Warranty	3 year return to base manufacturer warranty.

PHYSICAL DIMENSIONS



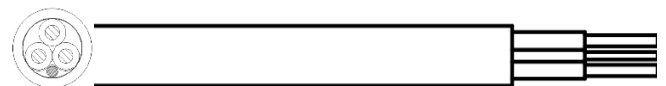
PIN OUTPUT CONFIGURATION



CORE IDENTIFICATION CHART

Each Smart PXL string or accessory is comprised of 3 stranded copper cores, the pinout is as follows:

	24V		48V	
Identifier	Function	Pin	Function	Pin
Black core	V-	1	V-	1
White	Data	2	Data	2
Red core	24V DC +	4	48V DC +	3



ORDERING INFORMATION

Product	PN
2m Extension Cable (24V)	73020
2m Extension Cable (48V)	73024

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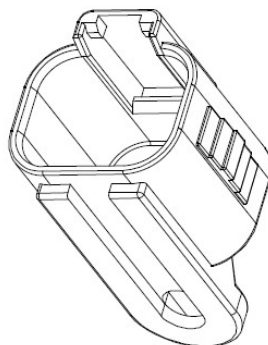
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Termination End Cap

Smart PXL DOT accessory



FEATURES

- Used to protect the final female Amphenol AT series connector in a Smart PXL DOT chain from short circuiting or and corrosion in wet conditions
- IP67
- M5 hole for surface mounting
- Sold in pack of 5
- Compatible with ENTTEC Smart PXL Dots

ORDERING INFORMATION

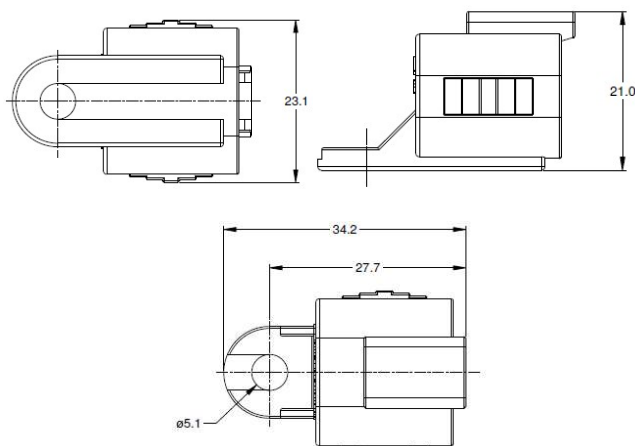
Product	PN
Termination End Cap	73015

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SPECIFICATIONS

Length	34.2mm
Width	23.1mm
Height	21.0mm
Unit Weight	4.1g

PHYSICAL DIMENSIONS



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