

# ◆ Daisy Chain Power Cord System

## Daisy Chain Power Cord

ThinkGrow Daisy Chain Power Cord System is designed to interconnect between the LED drivers, the system can eliminate a massive amount of power outlets, and reduce the number of power cables required. Depending on the power source of your facility, using the daisy chain power cord can provide power to up to 18 lighting fixtures... all connected into a single 30-amp power cable.

The ThinkGrow Daisy Chain Power Cord / Extension Power Cord provides 3 different gauges of cable, AWG #10/12/14. The user can use any or all of the cable sizes within their installation.



**DCA-10**  
AWG #10

**DCA-12**  
AWG #12

**DCA-14**  
AWG #14

## ◆ Specifications



**DCA-10**  
AWG #10  
Daisy Chain Power Cord

Input Voltage:	100-277V ≈ ≤30A
Gauge:	10
Copper Area:	5.26 mm <sup>2</sup>
Resistivity:	< 12 mΩ
Length:	5ft (1.5m)
Weight:	1.70 lbs (770 g)

#10 AWG Maximum number of LEDs that can be connected					
LED Model	Input Power	Input Voltage			
		120 volts	240 volts	277 volts	480 volts
Model-I Plus	720 Watt	4	8	9	16
Model-I	720 Watt	4	8	9	16
Model-H Plus	720 Watt	4	8	9	16
Model-H	630 Watt	4	9	10	18
Model-W	630 Watt	4	9	10	18
Model-V	350 Watt	9	18	20	36

ThinkGrow #10 AWG cables are rated up to 30-amps.



**DCA-12**  
AWG #12  
Daisy Chain Power Cord

Input Voltage:	100-277V ≈ ≤20A
Gauge:	12
Copper Area:	3.31mm <sup>2</sup>
Resistivity:	< 16 mΩ
Length:	5ft (1.5m)
Weight:	1.24 lbs (560 g)

#12 AWG Maximum number of LEDs that can be connected					
LED Model	Input Power	Input Voltage			
		120 volts	240 volts	277 volts	480 volts
Model-I Plus	720 Watt	2	5	6	10
Model-I	720 Watt	2	5	6	10
Model-H Plus	720 Watt	2	5	6	10
Model-H	630 Watt	3	6	7	12
Model-W	630 Watt	3	6	7	12
Model-V	350 Watt	6	12	14	24

ThinkGrow #12 AWG cables are rated up to 20-amps.



**DCA-14**  
AWG #14  
Daisy Chain Power Cord

Input Voltage:	100-277V ≈ ≤15A
Gauge:	14
Copper Area:	2.08mm <sup>2</sup>
Resistivity:	< 21 mΩ
Length:	5ft (1.5m)
Weight:	1.06 lbs (480 g)

#14 AWG Maximum number of LEDs that can be connected					
LED Model	Input Power	Input Voltage			
		120 volts	240 volts	277 volts	480 volts
Model-I Plus	720 Watt	2	4	4	8
Model-I	720 Watt	2	4	4	8
Model-H Plus	720 Watt	2	4	4	8
Model-H	630 Watt	2	4	5	9
Model-W	630 Watt	2	4	5	9
Model-V	350 Watt	4	9	10	18

ThinkGrow #14 AWG cables are rated up to 15-amps.

**CAUTION:** Incorrect application may lead to equipment damage. The user is responsible for correct and safe installation and usage. Ensure the existing electrical system can support the voltage and current requirements.