

We BRIGHTEN Your BRANDS

Wire Gauge Distance Chart

for Power Limited Tray Cable (PLTC)

When the distance increases between the secondary side of the power supply and the first LED in a letter or the beginning of a tubing run, the gauge of wire needed will change as follows:

MODW(E), 60W1, & 24 VDC

Distance in meters from power supply	Wire gauge
0 to 4.6 m 18 AWG (1 mm ²) + 1.5 m of 18 AWG (1 mm ²)	18 AWG (1 mm ²)
4.6 to 15.2 m 14 AWG (2.5 mm ²) + 1.5 m of 18 AWG (1 mm ²)	14 AWG (2.5 mm ²)
15.2 to 30.5 m 12 AWG (4 mm ²) + 1.5 m of 18 AWG (1 mm ²)	12 AWG (4 mm ²)
30.5 to 45.7 m 10 AWG (6 mm ²) + 1.5 m of 18 AWG (1 mm ²)	10 AWG (6 mm ²)

NOTE: MODWE, 60W1, and 24 VDC power supplies come from the factory with 1.5 m of 18 AWG (1 mm²) wire in place on the secondary side.

SloanLED 12 VDC Power Supplies

For use with SloanLED 12 VDC products

Item description	Part number	Nominal input voltage	Output voltage
Self-Contained 20 W	701680	100-240 VAC	12 VDC
Compact 12/25 W	410174	100-277 VAC	12 VDC
60C1 60 W	701507-60C1	100-277 VAC	12 VDC
MODW(E) 60 W	701507-MODW(E)	100-240 VAC	12 VDC
60W1 60W	701507-60W1	100-240 VAC	12 VDC
MOD277 60 W	701507-MOD277	277-347 VAC	12 VDC
120D1 120 W	701507-120D1	100-277 VAC	12 VDC

60C1, 120D1, Self-Contained 20, & Compact 12/25

Distance in meters from power supply	Wire gauge
0 to 4.6 m 18 AWG (1 mm ²) + 203 mm of 18 AWG (1 mm ²)	18
4.6 to 15.2 m 14 AWG (2.5 mm ²) + 203 mm of 18 AWG (1 mm ²)	14
15.2 to 36.6 m 12 AWG (4 mm ²) + 203 mm of 18 AWG (1 mm ²)	12
36.6 to 45.7 m 10 AWG (6 mm ²) + 203 mm of 18 AWG (1 mm ²)	10

NOTE: 60C1, 120D1, Compact 12/25, and Self-Contained 20 power supplies come from the factory with 203 mm of 18 AWG (1 mm²) wire in place on the secondary side.

SloanLED 24 VDC Power Supply

For use with SloanLED 24 VDC products

Item description	Part number	Nominal input voltage	Output voltage
24 VDC 100 W	701895-24C	100-240 VAC	24 VDC

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