

GRAFIK Eye® Low-Voltage Cable for Class 2 Applications

GRX-CBL-346S
GRX-CBL-46L

LUTRON SPECIFICATION SUBMITTAL

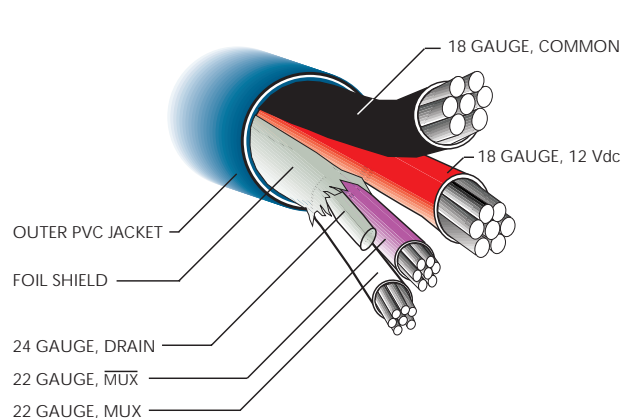
Job Name	Job Number
Location	Area Controlled
Model Number <input type="checkbox"/> GRX-CBL-346S-500 <input type="checkbox"/> GRX-CBL-46L-250 <input type="checkbox"/> GRX-CBL-46L-500	

The GRX-CBL-346S and GRX-CBL-46L offer one-cable (non-plenum), low-voltage solutions for GRAFIK Eye products. GRX-CBL-346S uses #18 AWG for its power wires and is meant to be used for shorter wiring distances. GRX-CBL-46L uses #12 AWG for its power wires and is meant to be used for longer wiring distances. Please note that the maximum possible system wiring is 2000 ft. (600 m) without a repeater.

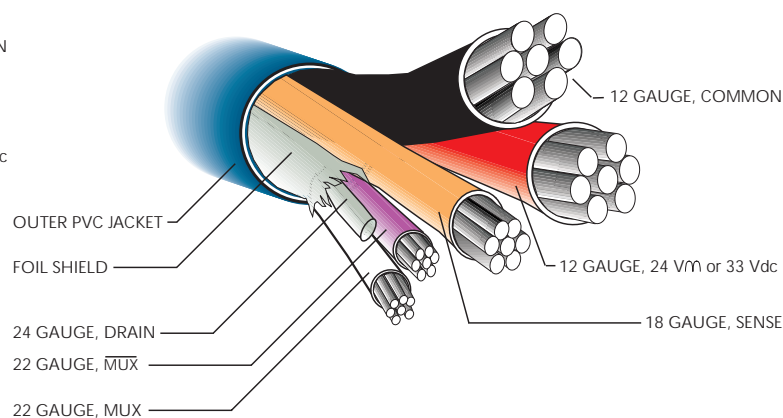
Model Number	Spool Length	Number of Conductors	Terminal 1 (Common)	Terminal 2 (Vdc or VM)	Terminal 3 (MUX)	Terminal 4 (MUX)	Terminal 5 (Sense*)	Terminal D† (Drain)
GRX-CBL-346S-500	500 ft.	4 Copper	#18 Black	#18 Red	#22 White	#22 Violet	—	#24
GRX-CBL-46L-250	250 ft.	5 Copper	#12 Black	#12 Red	#22 White	#22 Violet	#18 Orange	#24
GRX-CBL-46L-500	500 ft.	5 Copper	#12 Black	#12 Red	#22 White	#22 Violet	#18 Orange	#24

* The Sense wire connects to terminal 5 of the circuit selectors in GRAFIK Eye dimming or switching panels and allows the system to be set up for emergency lighting applications. Please call Lutron for more information.

† Since Terminal D is not present on most GRAFIK Eye Controls, the drain wire must be isolated from Ground/Earth and the GRAFIK Eye Control. In daisy-chained applications, the drain wires must be connected to each other and then isolated from Ground/Earth and the GRAFIK Eye Control.



GRX-CBL-346S-500 (3000 Series Systems‡)



GRX-CBL-46L-250/500 (4000/6000 Series Systems)

‡ GRX-CBL-346S-500 can, under certain conditions, be used in GRAFIK Eye 4000/6000 Series systems. The chart below is a quick reference of how far the cable can be run. Please see Application Note W14 for more details concerning allowable cable runs.

Worst-Case Wiring Lengths for GRX-CBL-346S-500 cable in GRAFIK Eye Systems

GRAFIK Eye System	Wire Gauge	Parameter	Maximum Length (Worst Case)
3000 Series	#18	16 Accessory Controls at end of link with one 12 Vdc power supply.	575 ft. (175 m)
4000 Series§	#18	16 Controls at end of link.	300 ft. (91 m)
6000 Series§	#18	32 Accessory Controls at end of link.	625 ft. (190 m)

§ If emergency lighting is to be used, an additional #18 AWG wire must be connected to terminal 5 of the appropriate circuit selector(s) located inside the Lutron dimming or switching panel(s). Please call Lutron for information specific to your application.