

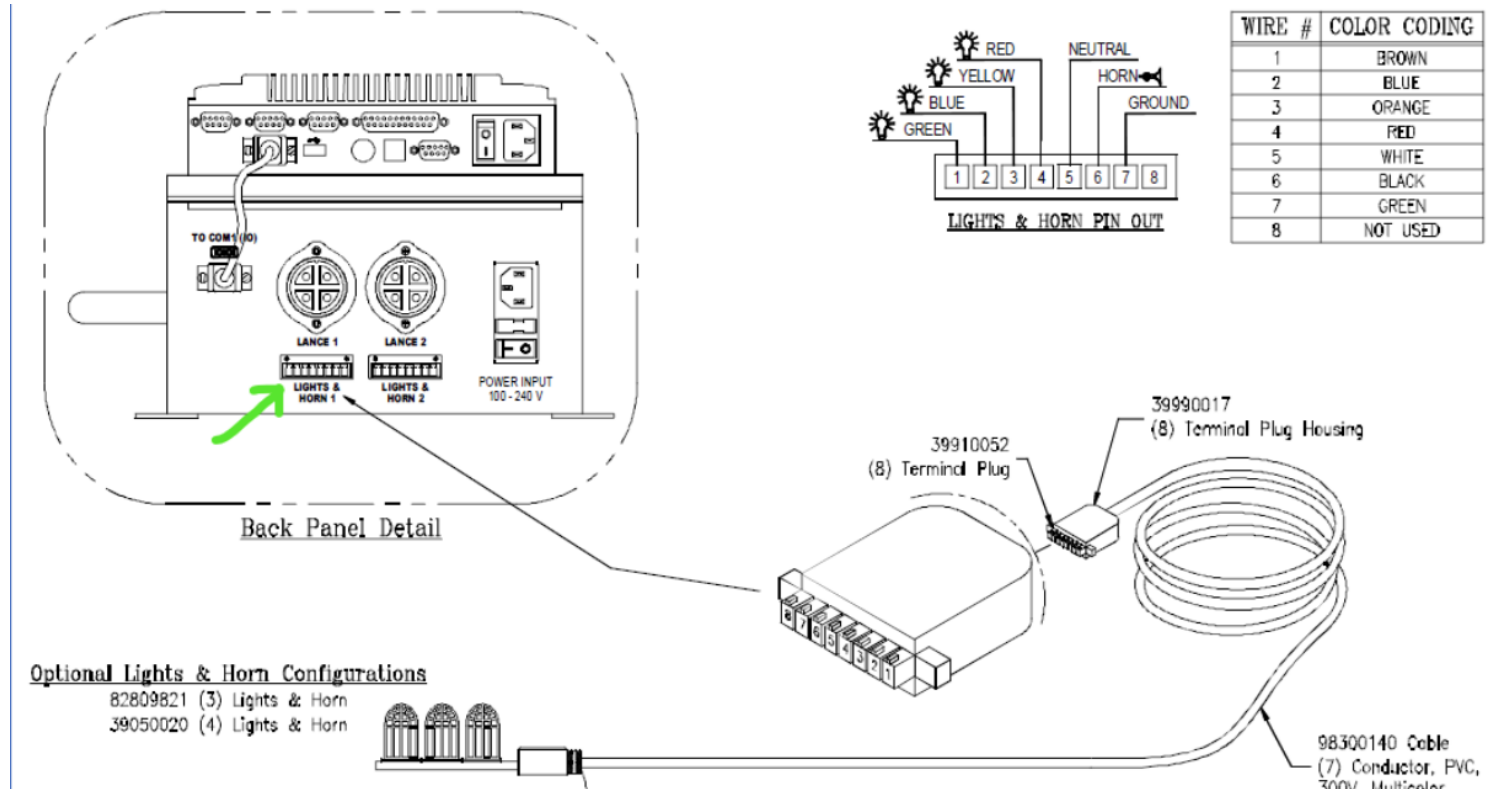
MetNet to SLS Upgrade

LIGHT SET CONNECTOR CONVERSION



MetNet Light Set Typical Wiring

- The green MetNet terminal connector plugs into the MetNet grey box, with the pin-out shown upper right.
- This connector can be opened via the plastic tabs on the sides.
- Note the wire colors and terminal position of the customer cables as the field light set cable used may have different insulator colors than the table in the included illustration.



Re-terminating Light Set Wiring To the SLS Connector

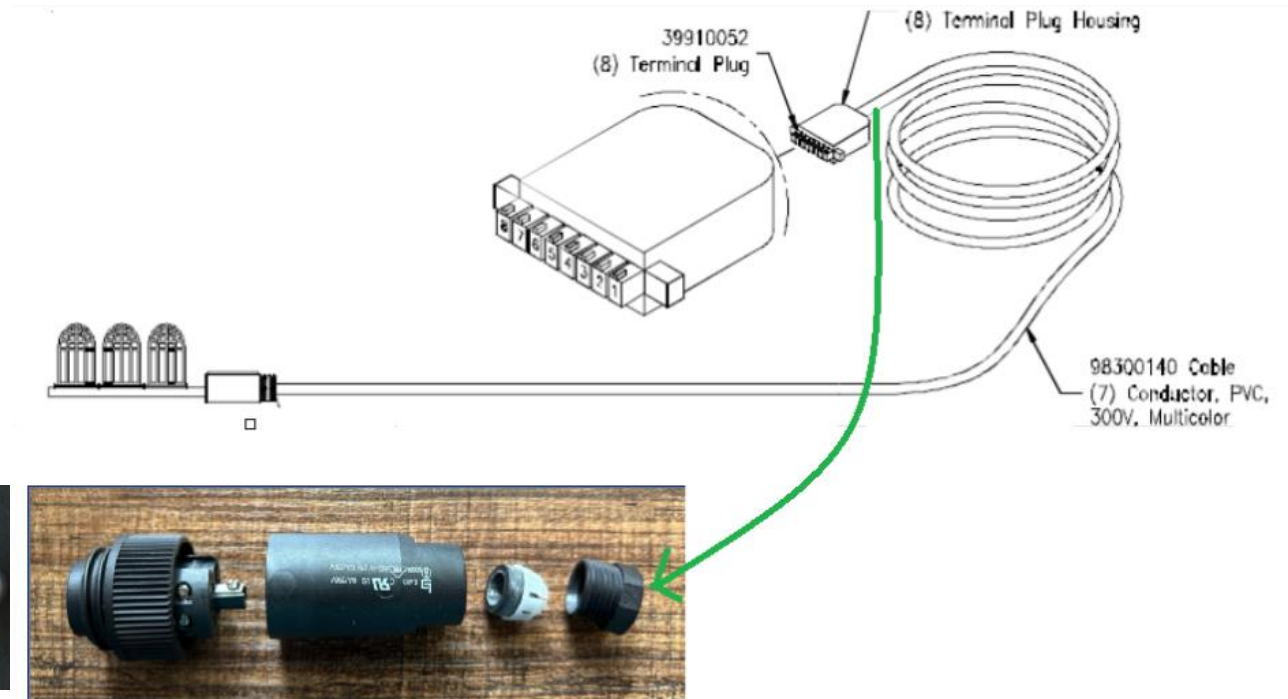
- The field light set cable should be removed from the green MetNet terminal plug and re-terminated in the male black circular connector shown in the expanded image below.
- Picture 4.2.1.2 illustrates the female connector mounted on the back of the Sensor Lab and the adjacent image displays its expanded male mated connector.
- Note that the ground/PE wire is not needed.



- 1 Horn or blue lamp
- 2 Green
- 3 Yellow
- 4 Red
- 5 N/C
- 6 Neutral/common
- 7 Ground/PE

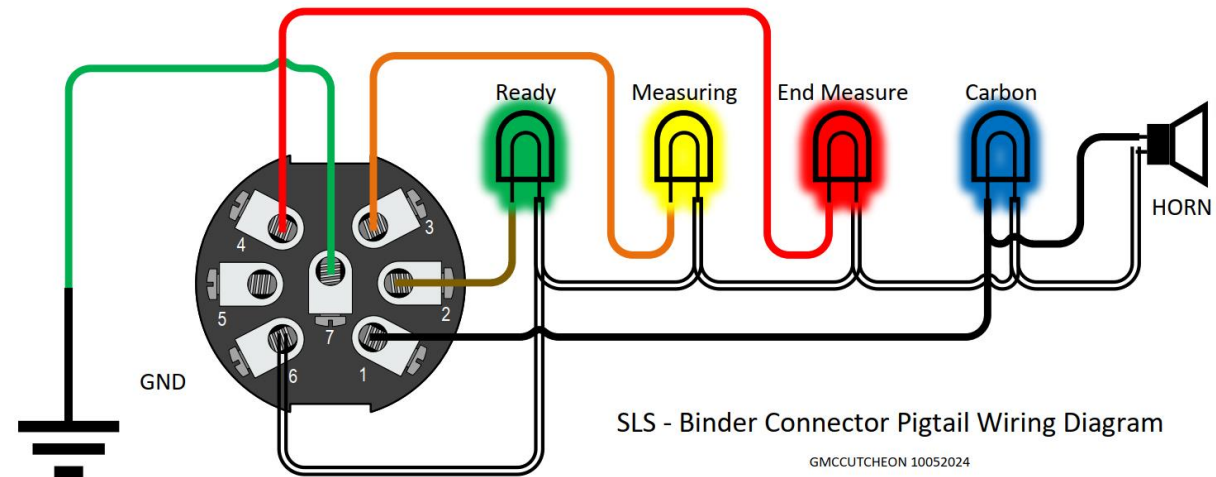


4.2.1.2 AC out 1 and 2



Re-terminating Light Set Wiring To the SLS Connector

- From the perspective of the back of the male wiring connector, attach the existing field wiring according to the installed devices.
- Note that the horn and the blue lamp are not terminated separately as was the case with the MetNet.
- The illustration and table to the right assumes the insulator colors follow the MetNet table, but the customer cable color may be different.



Terminal #	Color Coding	Field Connection
1	Black	Horn or blue lamp
2	Brown	Green lamp
3	Orange	Yellow lamp
4	Red	Red lamp
5	Blue	Not Connected
6	White	Neutral/common
7	Green	Ground/PE

SLS Connector Pre-terminated with Pigtail

- A pre-terminated connector will typically use Alpha Cable P/N 1898/7C if available.
- The color coding when pre-terminated using that cable will follow the table below
- The connectors are WAGO 221-2401 inline splicing connector to easily terminate conductors from 20 to 12 AWG without tools.
- The splices are staggered to facilitate the use of heat shrink tubing or electrical tape to organize and protect the splices.
- Note that the horn and the blue lamp are not terminated separately as was the case with the MetNet.

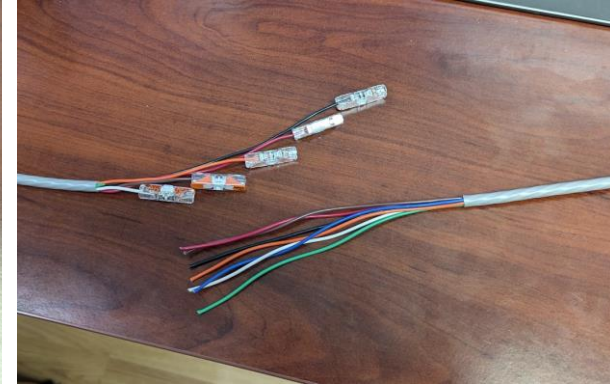
Construction	Applicable specifications	Environmental	Other	Properties	Find a Stocking Distributor
					Diameter ("in")
1) Component 1	7 x 1 COND				
a) Conductor	18 (16/30) AWG Tinned Copper				0.047
b) Insulation	0.016" Wall, Nom. PVC				0.079
(1) Color Code	Alpha Wire Color Code D				
Cond	Color	Cond	Color	Cond	Color
1	BLACK	4	GREEN	7	BROWN
2	RED	5	ORANGE		
3	WHITE	6	BLUE		
2) Cable Assembly	7 Components Cabled				
a) Twists	3.4 Twists/foot (min.)				
b) Orientation	Components to be arranged from INSIDE LAYER-to-OUTSIDE LAYER				
3) Jacket	0.020" Wall, Nom. PVC				0.278 (0.291 max.)
a) Color(s)	SLATE				
b) Print	ALPHA WIRE-* P/N 1898/7C 7C 18 AWG (UL) 75C TYPE CM OR AWM 2509 OR C(UL) 60C TYPE CMG FT4 CE ROHS * = Factory Code Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.				

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SLS Connector Pre-terminated with Pigtail

- After splicing, consider wrapping the butt splices with electrical tape or heat shrink insures the spring clips remain securely closed and provide an organized look.



Part Numbers from this example



- HEN Part # 39910182 - Binder connector P/N [99 4217 00 07](#)
- HEN Part # 98300140 - Alpha Cable P/N 1898/7C
- WAGO [221-2401](#) Inline splicing connector with lever
- Kable Kontrol Heat Shrink Tubing ½" 4:1 Ratio P/N [hs462-bk](#)
- Kable Kontrol Heat Shrink Tubing 1" 4:1 Ratio P/N [hs464-bk](#)

