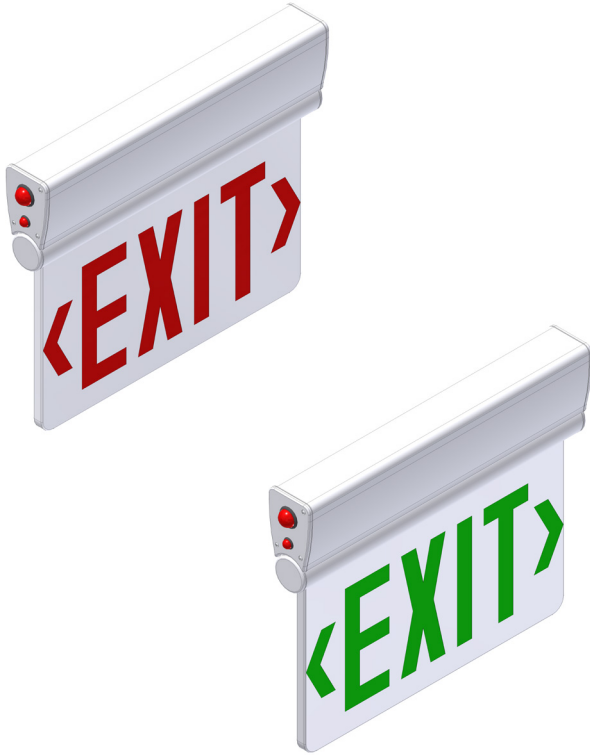


Exit Light

Datasheet



Description

The exit light is a durable, versatile system with a die-cast aluminum housing and double-sided acrylic panel for clear visibility. It offers flexible mounting options, including wall, ceiling, and recessed installations. Powered via the MechoNet UPoE+ SPICEbox, it consumes less than 5W and supports dual voltage (120/277 VAC). Equipped with a 4.8V NiCad battery, it provides 90 minutes of emergency lighting during power failure and features a fast-charging system. Safety is enhanced by self-testing, multi-color LED status indicators, and protection against brownouts, overloads, and short circuits.

Stock#	Description
EXIT-GREN-1S-TP	Exit Light One Sided Green
EXIT-GREN-2S-TP	Exit Light Two Sided Green
EXIT-RED1-1S-TP	Exit Light One Sided Red
EXIT-RED1-2S-TP	Exit Light Two Sided Red

Features

1. Construction & Design:

- **Housing:** Made from durable die-cast aluminum.
- **Panel:** Clear acrylic, double-sided with a mirrored configuration for optimal visibility.
- **Mounting Options:** Suitable for wall, sloped, and high ceilings; includes recessed mounting for drop ceilings or new construction. Comes with directional arrow indicators.

2. Power & Energy Efficiency:

- **Power Source:** Powered via the MechoNet UPoE+ SPICEbox through a NuLINK bus.
- **Low Energy Consumption:** Less than 3W for AC-only models and less than 5W for battery backup models.
- **Dual Voltage Input:** Operates at 120/277 VAC with an LED display indicating AC/ON status.

3. Battery Backup & Protection:

- **Battery:** 4.8V maintenance-free NiCad battery with low-voltage cut-off protection.
- **Emergency Operation:** Provides 90 minutes of uninterrupted operation during power failure.
- **Charging System:** Solid-state, two-rate charger to fully recharge in 24 hours.

4. Safety Features:

- **Self-Test & Monitoring:** Continuous self-checks with multi-color LED indicators to signal status.
- **Protection Mechanisms:** Includes brownout, overload, and short-circuit protection.
- **Test Switch:** External push button for manual testing and status checks.

5. Environmental Tolerance:

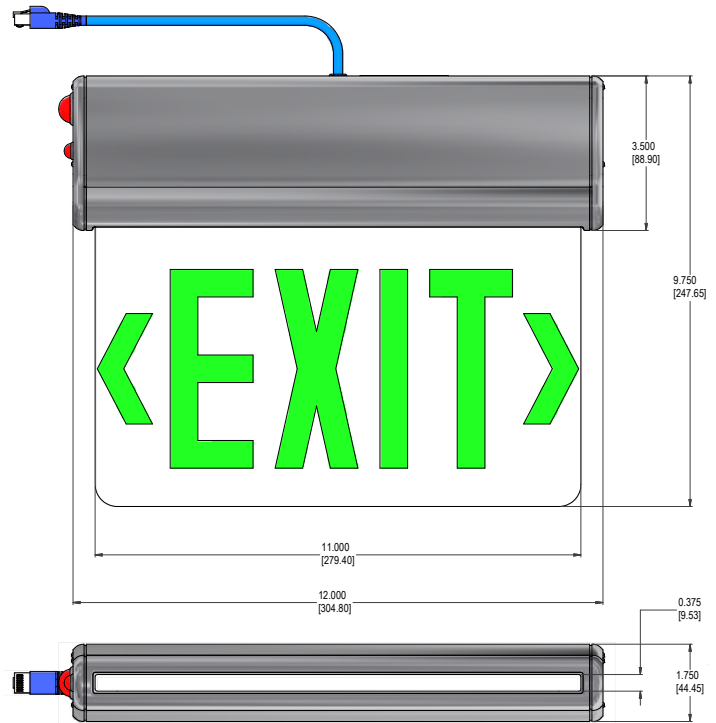
Battery operating range from 32°F to 104°F (0°C to 40°C).

Exit Light

Datasheet Specifications

Equipment Kit	
Includes	Exit Light, Canopy, Hardware Bag, NiCad Battery (Must be connected after installation), Installation Guide
Hardware	
Standby Power	
Input Voltage	5V CD
Input	
Output	
Wiring	CAT5e or CAT6 Patch Cable
Maximum Wiring Distance	328 ft. (100 m.) Network switch to SPICEbox™
Mechanical	
Dimensions (L X W X H)	6.5 in. (165mm) x 4.5 in. (114mm) x 1.5 in. (38mm)
Mounting	Available with ceiling and wall mount capability. Refer to page 3 for further Mounting information.
Weight	5 to 10 lbs. (2.26 to 4.5 kg)
Environmental	
Operating Temperature	32° to 104°F (0° to 40°C) ambient
Agency Listings and Compliance	
UL listed and meets or exceeds the following: UL 924, NEC, OSHA and NFPA 101 Life Safety Code requirements. CE Compliant	

Dimensions

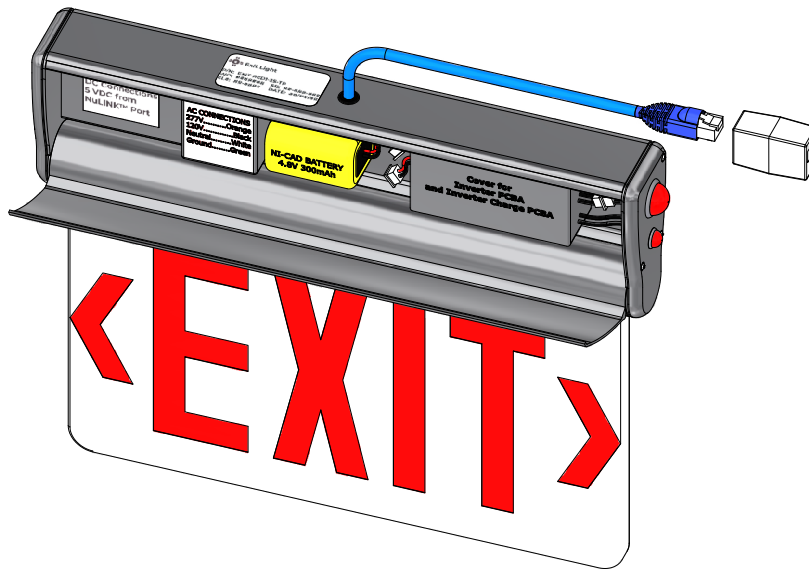


NOTE: Dimensions and color may vary based on the model type.

Safety Warning

- All electrical connections must be in accordance with local codes, ordinances and the National Electric Code. If you are unfamiliar with methods from installing electrical wiring, secure the services from a qualified licensed electrician.
- Before starting the installation, disconnect the power by turning off the circuit breaker or by removing the appropriate fuse at the fuse box. Using the light switch to turn the power off is not sufficient to prevent electrical shock.
- Do not use outdoors
- Do not let power supply cords touch hot surfaces
- Do not mount near gas or electric heaters
- Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or eyes, flush acid with fresh water and contact a physician immediately.
- Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition
- Do not use this equipment for other than its intended use.
- All servicing should be performed by a qualified personnel only.
- Allow battery to charge for 24 hours before first use.
- **Warranty:** Voided if device has been modified from its original configuration

Exit Light Datasheet



Mounting

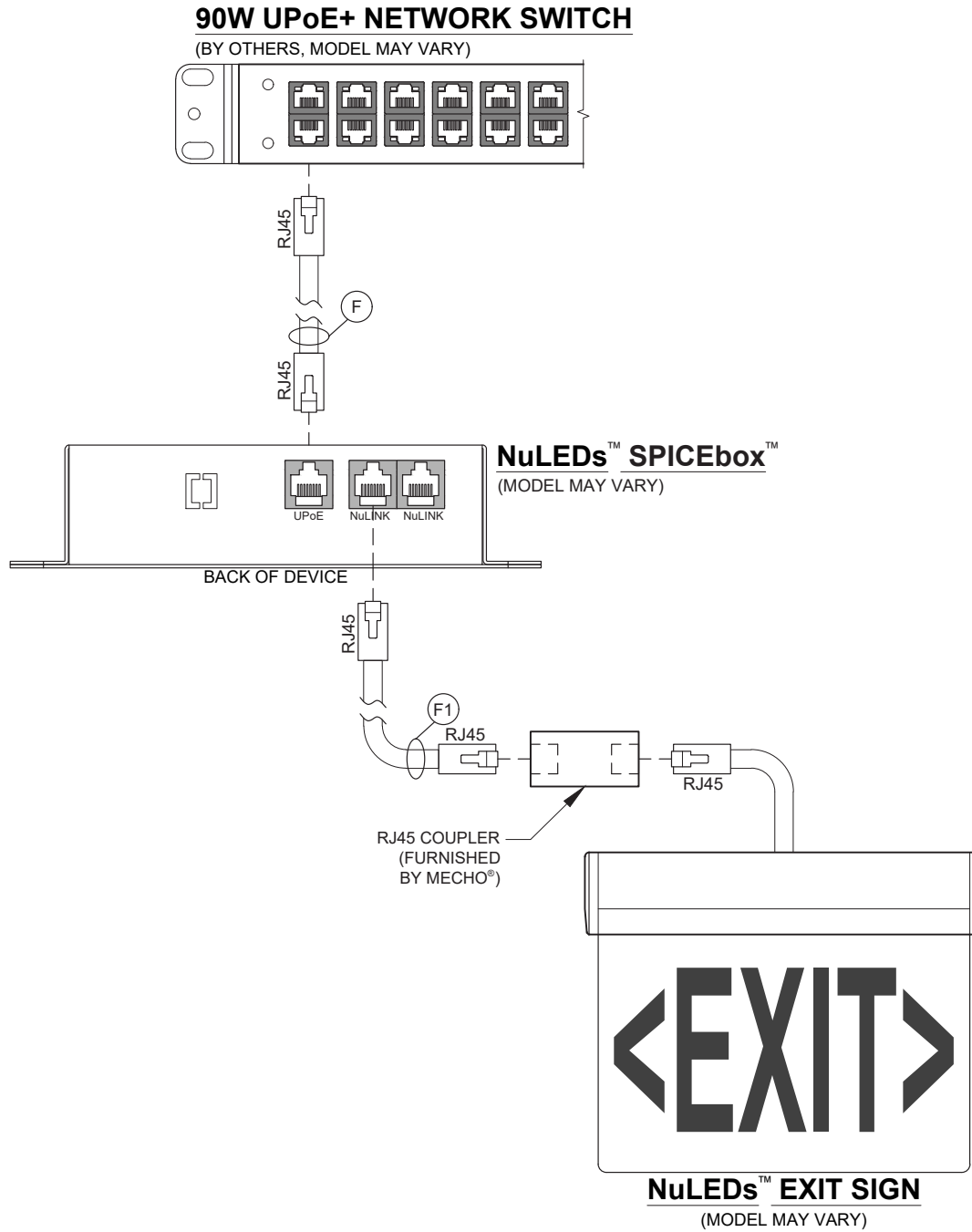
NOTE: First turn OFF the electricity.

1. Attach the crossbar to the junction box, using screws if needed. (screws are not provided)
2. Use a screwdriver to open the front cover to connect the battery connector.
3. Feed CAT 5/6 wire through the canopy center hole.
4. Assemble the canopy onto the main body assembly with 2 X PM 4*15 screws and make accurate wire connections.
5. Use 2 X PM4-40 screws (supplied) to tighten the canopy to the crossbar.
6. Insert the EXIT panel into the main body assembly gently. If the EXIT panel is for a single face, make sure the EXIT letter direction is right.
7. Determine the direction for chevron placement.
8. The unit can be installed on any surface, you may rotate the EXIT panel at any angle from 0° to 180°.
9. To change the ceiling mounting to the wall mounting rotate the Exit panel by 90°.

Exit Light

Datasheet

NuLINK™ Network Wiring Diagram - Exit Light

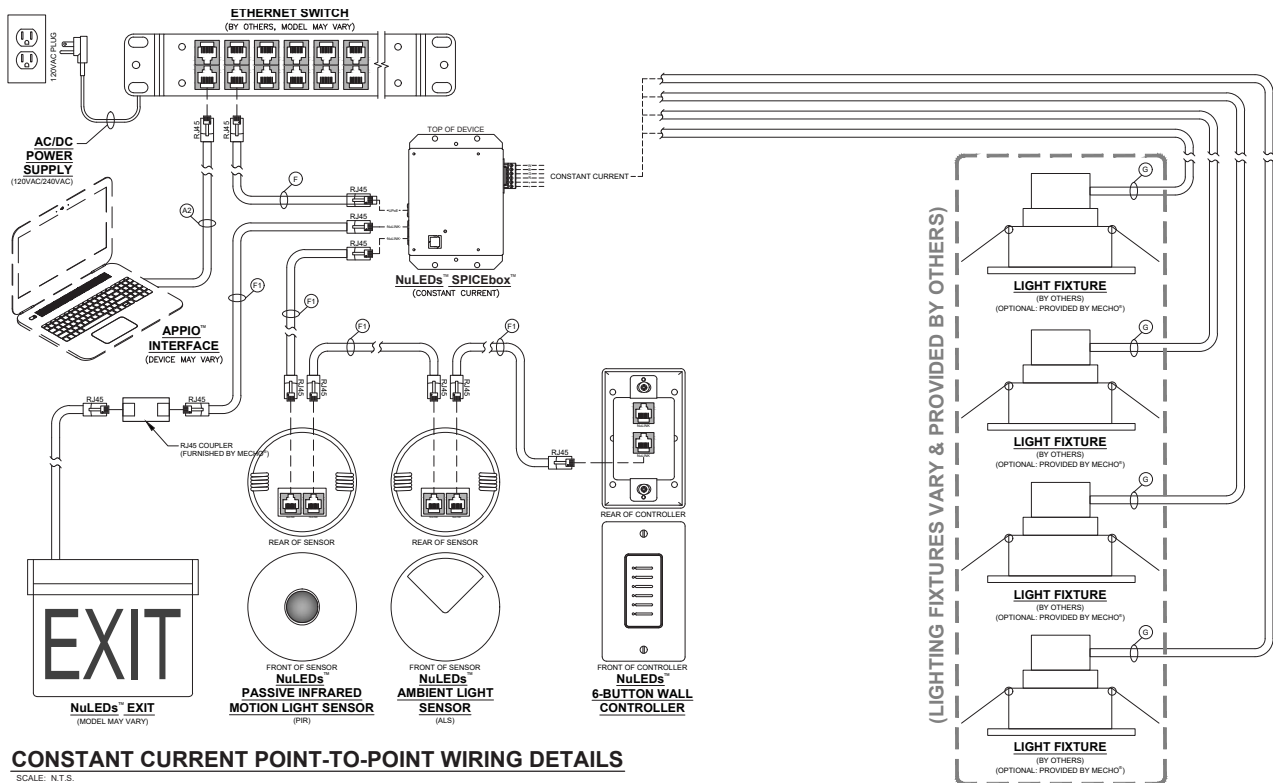


NOTE: Refer to page 9 for the Low Voltage Cable Legend and Crimping Instructions.

Exit Light

Datasheet

Point-to-Point Diagram



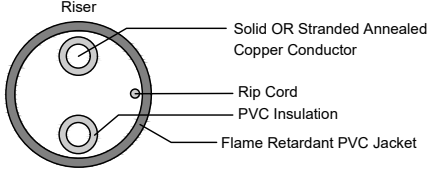
NOTE: Refer to page 9 for the Low Voltage Cable Legend and Crimping Instructions.

Exit Light

Datasheet

Cable Reference Drawing

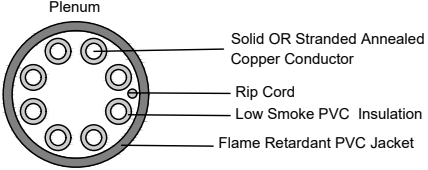
CABLE G REFERENCE DRAWING



Riser

- Solid OR Stranded Annealed Copper Conductor
- Rip Cord
- PVC Insulation
- Flame Retardant PVC Jacket

Drawing not to scale



Plenum

- Solid OR Stranded Annealed Copper Conductor
- Rip Cord
- Low Smoke PVC Insulation
- Flame Retardant PVC Jacket

Drawing not to scale

SPECIFICATIONS:

CONDUCTOR COUNT:	2 THRU 12 CONDUCTORS	PERFORMANCE COMPLIANCE:	NEC ARTICLE 725 NEC ARTICLE 800 NEC ARTICLE 760 UL®13 CL3R/CL3P UL 444 CMR/CMP* UL 1424 FPLR/FPLP UL 1666 NFPA 262 CALIFORNIA STATE FIRE MARSHALL RoHS-COMPLIANT/RoHS 2-COMPLIANT
CONDUCTOR:	FULLY ANNEALED, SOLID OR STRANGED BARE COPPER	NRTL PROGRAMS:	UL LISTED CL3R, CMR, FPLR UL LISTEN CL3P, CMP, FPLP
AWG (mm):	18 (1.16)		
INSULATION:	LOW SMOKE PVC		
INSULATION COLORS:	CONDUCTOR 1: BLACK CONDUCTOR 2: RED CONDUCTOR 3: WHITE CONDUCTOR 4: GREEN CONDUCTOR 5: BROWN CONDUCTOR 6: BLUE CONDUCTOR 7: ORANGE CONDUCTOR 8: YELLOW CONDUCTOR 9: VIOLET CONDUCTOR 10: GRAY CONDUCTOR 11: PINK CONDUCTOR 12: TAN		
JACKET:	RISER: GRAY, FLAME RETARDANT (FR) PVC PLENUM: WHITE, LOW SMOKE PVC		
PACKAGE:	BLACK, RIBBED, PLASTIC RECYCLABLE SPOOL, REEL-IN-A-BOX OR WOOD REEL		

Part Numbers and Physical Characteristics:

Listing	Part Number ¹	Conductor Count	AWG (mm)	Conductor Type	Jacket Color ²	Nominal Diameter in (mm)	Approx. Weight lbs/ft (kg/km)
CL3R/CMR/FPLR	2F-C1x-31	2	18 (1.16)	7 x 26 AWG	GRAY	0.16 (4.1)	17 (25)
CL3R/CMR/FPLR	2F-C2x-31	3	18 (1.16)	7 x 26 AWG	GRAY	0.17 (4.3)	22 (9)
CL3R/CMR/FPLR	2F-C3x-31	4	18 (1.16)	7 x 26 AWG	GRAY	0.19 (4.8)	30 (45)
CL3R/CMR/FPLR	2F-C4x-31	6	18 (1.16)	7 x 26 AWG	GRAY	0.23 (5.8)	43 (64)
CL3R/CMR/FPLR	2F-C5x-31	8	18 (1.16)	7 x 26 AWG	GRAY	0.25 (6.4)	56 (83)
CL3R/CMR/FPLR	2F-C7x-31	12	18 (1.16)	7 x 26 AWG	GRAY	0.30 (7.6)	83 (124)
CL3P/CMP/FPLP	2F-C1x-43	2	18 (1.16)	7 x 26 AWG	WHITE	0.16 (4.1)	17 (25)
CL3P/CMP/FPLP	2F-C2x-43	3	18 (1.16)	7 x 26 AWG	WHITE	0.17 (4.3)	22 (9)
CL3P/CMP/FPLP	2F-C3x-43	4	18 (1.16)	7 x 26 AWG	WHITE	0.19 (4.8)	30 (45)
CL3P/CMP/FPLP	2F-C4x-43	6	18 (1.16)	7 x 26 AWG	WHITE	0.23 (5.8)	44 (65)
CL3P/CMP/FPLP	2F-C5x-43	8	18 (1.16)	7 x 26 AWG	WHITE	0.25 (6.4)	57 (85)
CL3P/CMP/FPLP	2F-C7x-43	12	18 (1.16)	7 x 26 AWG	WHITE	0.30 (7.6)	85 (126)

Packaging Options:

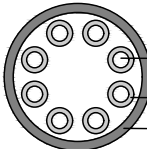
	Plastic Spool		Reel-in-a-Box		Wood Reel	Shrink Wrap	
	1,000'	500'	1,000'	500'	1,000'	250'	500'
¹ Replace "x" with:	2	3	4	5	6	7	8

Exit Light

Datasheet

Cable Reference Drawing

CABLE F REFERENCE DRAWING



Solid Annealed
Copper Conductor

Thermoplastic Insulation

Flame Retardant PVC Jacket

Drawing not to scale

SUPERIOR ESSEX (www.superioressex.com) PART No. PW52-H46-X5 (NON-PLENUM) & PW52-H46-X8 (PLENUM)

SPECIFICATIONS (SOLID): CATEGORY 5E+

PAIR COUNT:	4	CHARACTERISTIC IMPEDANCE Ohms:	100 ± 15
CONDUCTOR:	SOLID ANNEALED COPPER	NOMINAL VELOCITY OF PROPAGATION %:	CMR: 71 CMP: 74
AWG (mm):	22 (0.51)	PERFORMANCE COMPLIANCE:	UL 444 CSA C22.2 No. 214-08 UL 1666 NFPA 262 ANSI/TIA-568-C.2 ANSI/ICEA S-90-661-2012 Article 800, NEC (NFPA 70) HDBaseT Class A and B
INSULATION:	CMR: POLYOLEFIN CMP: FEP	NRTL PROGRAMS:	UL Verified CAT 5e UL, c(UL) Listed CMR UL, c(UL) Listed CMP HDBaseT Certified
INSULATION COLORS:	PAIR 1: COLORTIP LIGHT BLUE, BLUE PAIR 2: COLORTIP LIGHT ORANGE, ORANGE PAIR 3: COLORTIP LIGHT GREEN, GREEN PAIR 4: COLORTIP LIGHT BROWN, BROWN	SUSTAINABILITY:	UL Certified EPD HPD USGBC® Member RoHS-compliant/RoHS 2-compliant REACH-compliant Temperature cable rating: 75°C for CMR and 90°C for CMP
JACKET:	CMR: FLAME RETARDANT (FR) PVC CMP: FR, LOW SMOKE PVC		

Part Numbers and Physical Characteristics

Listing	Part Number ¹	Nominal Diameter in (mm)	Approx. Weight lbs/ft (kg/km)	Package	Packages per Pallet
CMR	PW52-H46-x5	0.23 (4.6)	28 (25)	1,000 ft BrakeBox®	12
CMR	PW52-H72-x5	0.23 (4.6)	28 (25)	1,000 ft Plywood Reel	16
CMP	PW52-H46-x8	0.23 (4.8)	37 (28)	1,000 ft BrakeBox	12
CMP	PW52-H72-x8	0.23 (4.8)	37 (28)	1,000 ft Plywood Reel	16

Jacket Colors

¹ Replace "x" with:	Blue = 2	Gray = 3	White = 4	Green = 5
Yellow = 6	Purple = 7	Red = 9	Black = E	

Exit Light Datasheet

Low Voltage Cable Legend and Crimping Instructions

A2	<p>CAT5E/6 - CABLE FOR ETHERNET WIRING CONNECTIONS: 24AWG 4UTP (8-CONDUCTOR STRANDED UNSHIELDED TWISTED PAIR) TERMINATION: RJ-45 MODULAR PLUG CRIMPED (EIA568B) ON BOTH ENDS RECOMMENDED: OLYMPIC WIRE AND CABLE (WWW.OLYMPICWIRE.COM 1-800-526-2269) PART NO. 3078M5F-8 (NON-PLENUM) OR COMPATIBLE CABLE.</p> <p style="text-align: center;">OR</p> <p>24AWG 4UTP (8-CONDUCTOR SOLID UNSHIELDED TWISTED PAIR) TERMINATION: RJ-45 MODULAR PLUG CRIMPED (EIA568B) ON BOTH ENDS RECOMMENDED: OLYMPIC WIRE AND CABLE (WWW.OLYMPICWIRE.COM 1-800-526-2269) PART NO. 3604M5UC-9 (PLENUM) OR COMPATIBLE CABLE.</p> <p>DISTANCE LIMITATION: 325'. MAX. NODES: 2. SEE "CABLE A REFERENCE DRAWING" FOR DETAILED SPECIFICATION. (FURNISHED & INSTALLED BY OTHERS)</p>
F	<p>CAT5E+ 4PPOE - CABLE FOR UPOE NETWORK WIRING CONNECTIONS: 22AWG 4UTP (8-CONDUCTOR SOLID UNSHIELDED TWISTED PAIR) TERMINATION: RJ-45 MODULAR PLUG CRIMPED (EIA568B) ON BOTH ENDS RECOMMENDED: SUPERIOR ESSEX (WWW.SUPERIORESSEX.COM) PART NO. PW52-H46-X5 (NON-PLENUM) OR COMPATIBLE CABLE</p> <p>DISTANCE LIMITATION: 325'. MAX. NODES: 1 SEE "CABLE F REFERENCE DRAWING" FOR DETAILED SPECIFICATION. (FURNISHED & INSTALLED BY OTHERS)</p>
F1	<p>CAT5E+ - CABLE FOR NULINK NETWORK WIRING CONNECTIONS: 22AWG 4UTP (8-CONDUCTOR SOLID UNSHIELDED TWISTED PAIR) TERMINATION: RJ-45 MODULAR PLUG CRIMPED (EIA568B) ON BOTH ENDS RECOMMENDED: SUPERIOR ESSEX (WWW.SUPERIORESSEX.COM) PART NO. PW52-H46-X5 (NON-PLENUM) & PW52-H46-X8 (PLENUM) OR COMPATIBLE CABLE</p> <p>DISTANCE LIMITATION: 50'. MAX. EIPS: 15 SEE "CABLE "F" REFERENCE DRAWING FOR DETAILED SPECIFICATION. (FURNISHED & INSTALLED BY OTHERS)</p>
G	<p>CABLE FOR SPICEBOX TO LIGHT (LOAD) FIXTURE WIRING CONNECTIONS: 2 TO 12-CONDUCTOR, (18AWG UNSHIELDED) RECOMMENDED: SUPERIOR ESSEX (WWW.SUPERIORESSEX.COM 1-800-551-8948) LISTING NO. CL3R/CMR/FPLR (NON-PLENUM), & CL3P/CMPI/FPLP (PLENUM)</p> <p>DISTANCE LIMITATION: VARIES PER LOAD. MAX. LOADS: VARIES BY WATTS SEE "CABLE "G" REFERENCE DRAWING FOR DETAILED SPECIFICATION. (FURNISHED & INSTALLED BY OTHERS)</p>

EIA 568B CRIMPING - 8 CONDUCTOR CABLE
UPoE CONNECTIONS ON UPoE NETWORK

MODULAR PLUG ASSEMBLY:
RJ45, 8-POSITION, 8-CONTACT

STRAIGHT-THROUGH
CABLE
TERMINATION
BOTH ENDS

CABLE TYPE: CAT5/CAT5e/CAT6		
PIN#:	WIRE COLOR:	FUNCTION:
1	ORANGE/WHITE STRIPE	DATA A+/POWER-
2	ORANGE SOLID	DATA A-/POWER-
3	GREEN/WHITE STRIPE	DATA B+/POWER+
4	BLUE SOLID	DATA C+/POWER+
5	BLUE/WHITE STRIPE	DATA C-/POWER+
6	GREEN SOLID	DATA B-/POWER+
7	BROWN/WHITE STRIPE	DATA D+/POWER-
8	BROWN SOLID	DATA D-/POWER-

EIA 568B CRIMPING - 8 CONDUCTOR CABLE
NuLED CONNECTIONS ON NuLINK MECHONET+ (RS485) NETWORK

MODULAR PLUG ASSEMBLY:
RJ45, 8-POSITION, 8-CONTACT

STRAIGHT-THROUGH
CABLE
TERMINATION
BOTH ENDS

CABLE TYPE: CAT5/CAT5e/CAT6		
PIN#:	WIRE COLOR:	FUNCTION:
1	ORANGE/WHITE STRIPE	NuLINK RS485+
2	ORANGE SOLID	NuLINK RS485-
3	GREEN/WHITE STRIPE	MECHONET+ RS485-
4	BLUE SOLID	5V+
5	BLUE/WHITE STRIPE	5V+
6	GREEN SOLID	MECHONET RS485+
7	BROWN/WHITE STRIPE	5V GND
8	BROWN SOLID	N/C

EIA 568B CRIMPING - 8 CONDUCTOR CABLE
ETHERNET NETWORK CONNECTIONS

MODULAR PLUG ASSEMBLY:
RJ45, 8-POSITION, 8-CONTACT

STRAIGHT-THROUGH
CABLE
TERMINATION
BOTH ENDS

CABLE TYPE: CAT5/CAT5e/CAT6		
PIN#:	WIRE COLOR:	FUNCTION:
1	ORANGE/WHITE STRIPE	TX+
2	ORANGE SOLID	TX-
3	GREEN/WHITE STRIPE	RX+
4	BLUE SOLID	N/C
5	BLUE/WHITE STRIPE	N/C
6	GREEN SOLID	RX-
7	BROWN/WHITE STRIPE	N/C
8	BROWN SOLID	N/C

Warranty

Mecho's warranty ensures its products against defects in materials and workmanship for up to 25 years. The warranty timeline shall vary for different products. For complete warranty information, please visit <https://www.mechoshade.com/warranty> or contact your Mecho Representative.

Mecho reserves the right to make improvements or changes to its products without prior notice. Every attempt is made to ensure the information herein is accurate and up to date. Verify with the Mecho staff to confirm the product's availability, latest specifications, and suitability for your application.

Technical support

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T: +1 (800) 327-9798 (*Follow prompts for Mecho and Tech Support*)
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