traxon

Date: _____ Quantity: _____

Company: _____

Project: _____

Liner Quattro AC XB RGBW

The Liner Quattro AC XB RGBW is an AC line powered, high brightness luminaire. The luminaire is controllable via DMX512 with auto-addressing for easy configuration. The system is connected using a daisy chain topology, allowing easy installation to form long run lengths. Remote Device Management (RDM) circuits are built into each luminaire that enables extensive control and monitoring of the entire lighting installation.

CE c ETL us IP66

Product Specifications

	XB4.9	XB4.18
Light Source	4-in-1 LED clusters	
Color Range	RGBW (White CCT 4000K)	
Beam Angle	13°, 30° × 15°, 75° × 40°, 60°	
Luminous Flux[1]	1494 lm	2922 lm
Efficacy[1]	34 lm/W	
Lumen Maintenance	L70 @25°C - 80,000hrs	
Cover Lens	Tempered glass cover	
Housing	Aluminium	
Adjustment Options	±90° tilt	
Size (L × W × H)	594mm × 75mm × 117mm 24” × 3” × 4.6”	1188mm × 75mm × 117mm 48” × 3” × 4.6”
Weight	5kg / 11lbs	7.5kg / 16.5lbs
Regulatory Listing & Safety Approval	CE, cETLus	
Operating Temperature	–30°C to +50°C / –22°F to +122°F (–20°C / –4°F starting)	
Storage Temperature	–40°C to +70°C / –40°F to +158°F	
Environment	Outdoor (IP66), suitable for coastal environments	
Humidity	85%, non-condensing	

Electrical Specifications

Input Voltage[2]	100-277V AC 50/60Hz	
Power Consumption	46W	85W
Power Factor	≥ 0.9	

System Specifications

Power	AC line
Control	DMX512 with auto-addressing, Remote Device Management (RDM)
Power Supply	Built-in

1. Based on photometric data of Liner Quattro AC XB 30° × 15°.
2. Auto-switching. Single phase (line, neutral, and ground).

LED CHARACTERISTICS Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers “sort” LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process results always in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of many factors such as operating efficiency, duration of continuous operation, and more significantly, environmental conditions (ambient temperature for example). If allowed working under optimal operating temperature range and with good ventilation, LED devices enjoy long service lives over conventional light sources. When using/installing LED devices, care should be taken to ensure that the devices will operate within the operating conditions specified in respective product literature.

Lumen measurement compiles with LM-79-08 standard.
Lumen maintenance is calculated based on LM-80 compliant measurement.

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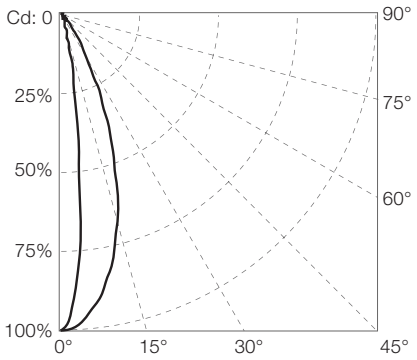
Liner Quattro AC XB RGBW

Photometrics

Source Specifications

LED Source	4-in-1 LED clusters
Beam Angle	30° × 15°

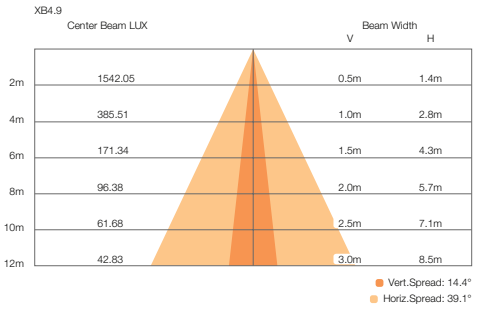
Candela Distribution

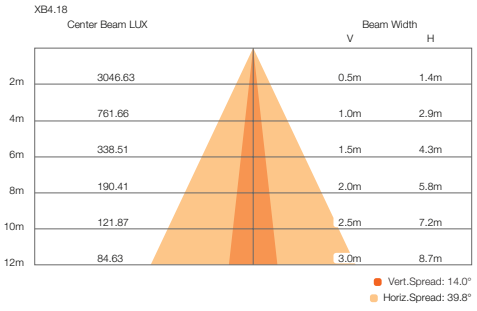


Light Output

Color	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
XB4.9			
White (full on)	1494.32	6168.18	32.49
White (RGB off)	834.73	3490.84	48.87
RGB	692.01	2815.35	23.82
Red	169.67	667.20	21.40
Green	490.95	2011.31	30.27
Blue	46.73	187.58	4.97
XB4.18			
White (full on)	2922.38	12186.52	34.38
White (RGB off)	1646.30	6805.84	48.26
RGB	1352.35	5617.31	24.38
Red	345.25	1408.26	24.61
Green	961.46	4024.36	29.58
Blue	89.12	352.33	5.36

Illuminance at a Distance





For feet multiply by 3.28

For fc divide by 10.7

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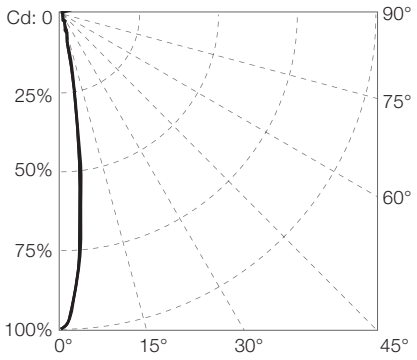
Liner Quattro AC XB RGBW

Photometrics

Source Specifications

LED Source	4-in-1 LED clusters
Beam Angle	13°

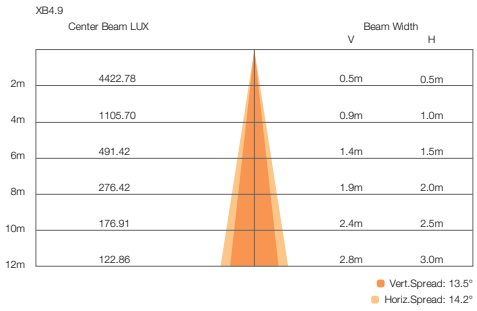
Candela Distribution

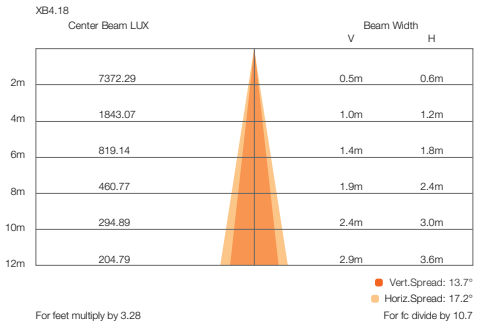


Light Output

Color	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
XB4.9			
White (full on)	1664.43	17691.13	36.18
White (RGB off)	944.76	9886.965	55.31
RGB	761.45	8179.188	26.21
Red	189.95	1892.63	23.95
Green	552.46	6004.634	34.06
Blue	51.92	553.742	5.52
XB4.18			
White (full on)	3300.55	29489.14	38.83
White (RGB off)	1858.71	16556.36	54.49
RGB	1538.9	13667.39	27.73
Red	388.64	3337.136	27.70
Green	1091.58	9807.511	33.59
Blue	97.38	837.005	5.85

Illuminance at a Distance





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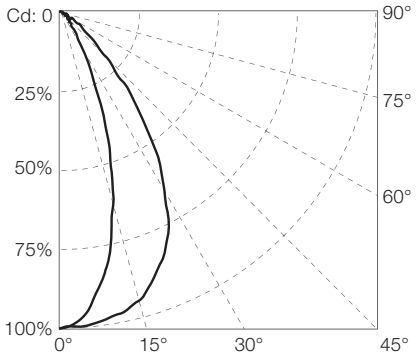
Liner Quattro AC XB RGBW

Photometrics

Source Specifications

LED Source	4-in-1 LED clusters
Beam Angle	75° × 40°

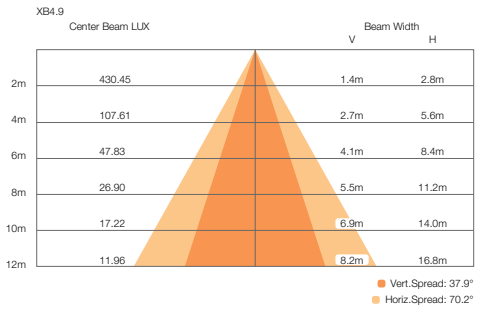
Candela Distribution

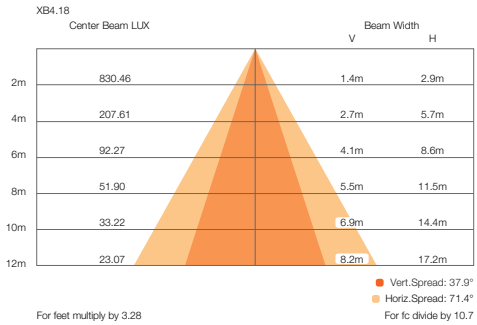


Light Output

Color	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
XB4.9			
White (full on)	1464.65	1721.79	31.84
White (RGB off)	821.84	966.07	48.08
RGB	673.29	782.36	23.18
Red	165.62	193.40	20.89
Green	481.43	555.99	29.68
Blue	45.86	51.04	4.88
XB4.18			
White (full on)	2861.30	3331.26	33.66
White (RGB off)	1613.73	1872.38	47.31
RGB	1313.73	1526.38	23.68
Red	329.72	385.52	23.50
Green	939.09	1082.44	28.90
Blue	87.12	96.25	5.24

Illuminance at a Distance





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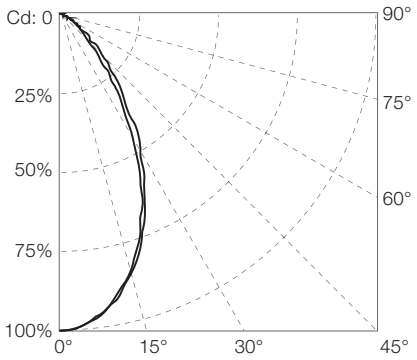
Liner Quattro AC XB RGBW

Photometrics

Source Specifications

LED Source	4-in-1 LED clusters
Beam Angle	60°

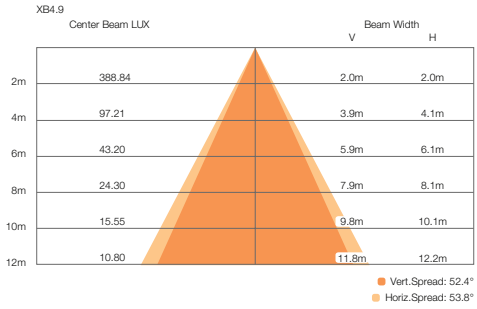
Candela Distribution

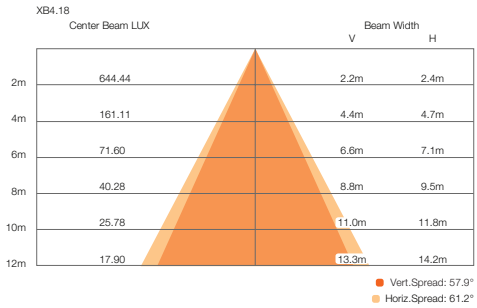


Light Output

Color	Luminous Flux (lm)	Candela Distribution @100%	Efficacy (lm/W)
XB4.9			
White (full on)	1465.41	1555.35	31.86
White (RGB off)	821.63	873.23	48.10
RGB	675.07	707.68	23.24
Red	165.87	175.66	20.92
Green	482.44	502.32	29.74
Blue	45.90	46.25	4.88
XB4.18			
White (full on)	2859.35	2581.87	33.64
White (RGB off)	1605.46	1446.32	47.07
RGB	1315.79	1178.30	23.72
Red	329.56	302.74	23.49
Green	939.88	831.26	28.92
Blue	86.56	72.80	5.20

Illuminance at a Distance





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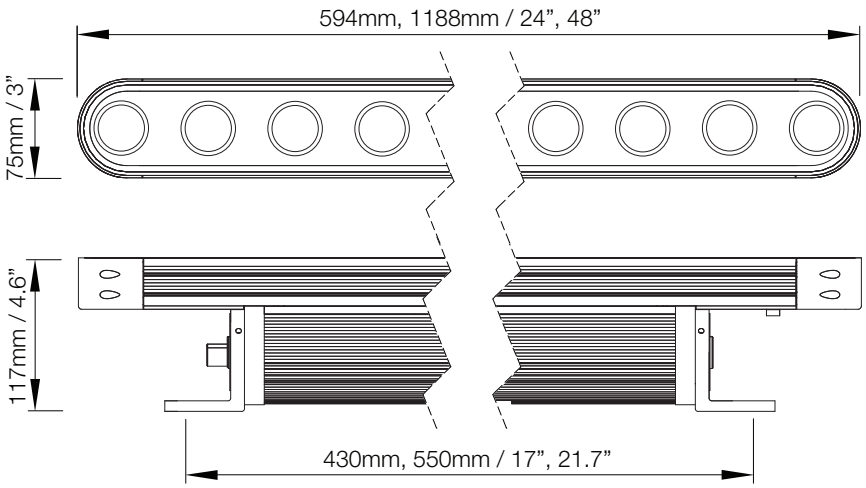
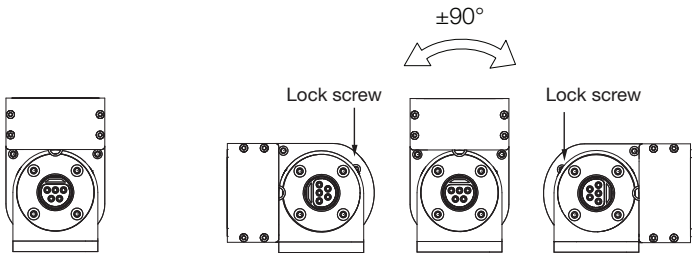
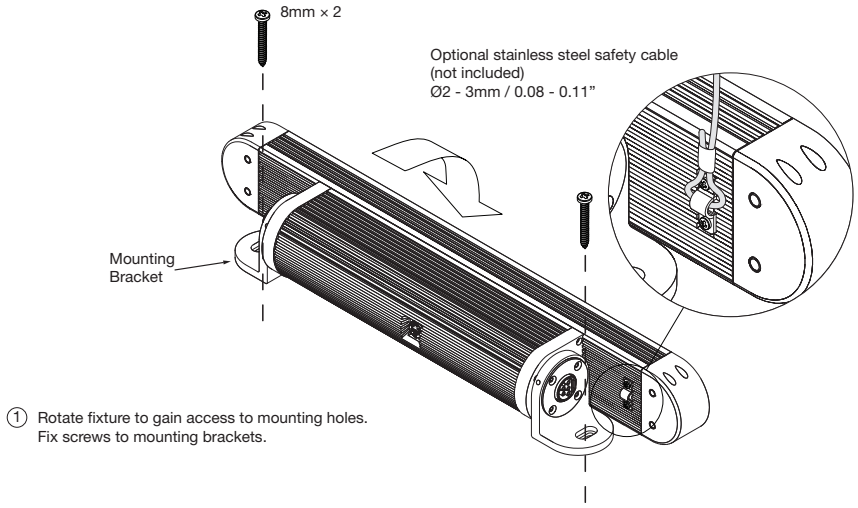
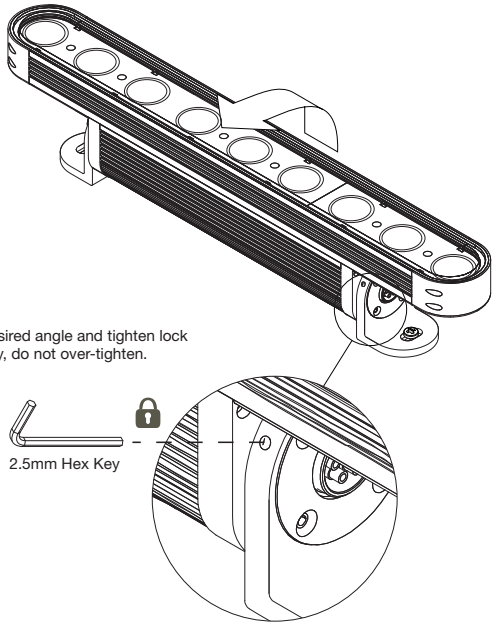






① Rotate fixture to gain access to mounting holes.
Fix screws to mounting brackets.



② Rotate fixture to desired angle and tighten lock screws with hex key, do not over-tighten.

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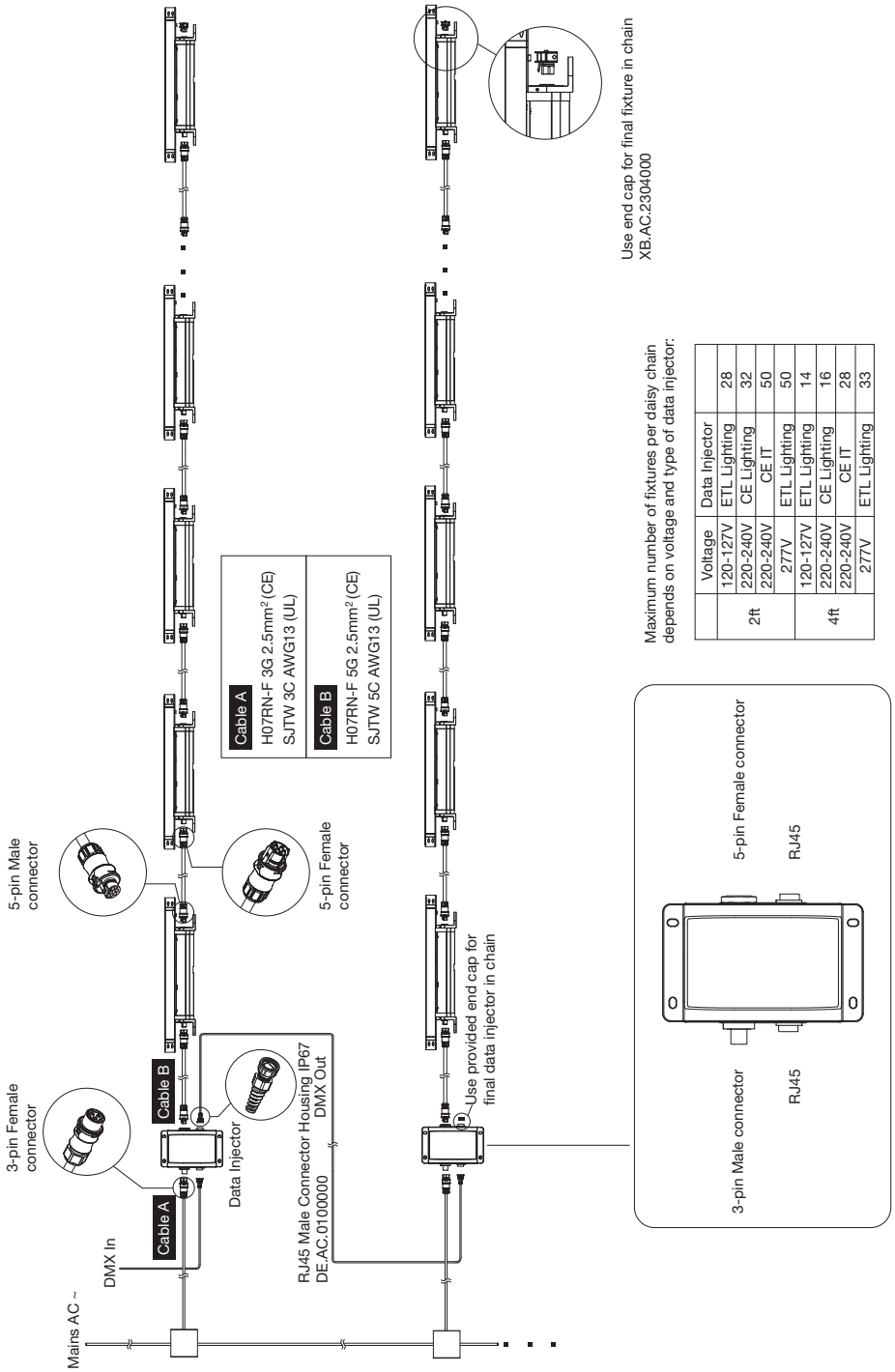
Liner Quattro AC XB RGBW

System Diagram



Maximum number of fixtures per daisy chain depends on voltage and type of data injector:

	Voltage	Data Injector	
2ft	120-127V	ETL Lighting	28
	220-240V	CE Lighting	32
	220-240V	CE IT	50
	277V	ETL Lighting	50
4ft	120-127V	ETL Lighting	14
	220-240V	CE Lighting	16
	220-240V	CE IT	28
	277V	ETL Lighting	33

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Liner Quattro AC XB RGBW

Ordering

Model Number

XB	.	XX	.	9	3	1	N	1	0	0
		Length			Ingress Protection	Colors	Beam Angle	Cover Lens		
		L5: XB4.9 (24")			3: IP66	1: RGBW	1: 13°	1: Clear		
		L7: XB4.18 (48")					4: 30° × 15°			
							7: 75° × 40°			
							8: 60°			

Fixtures

Model No.	Description	Item Code
XB.L5.9311100	Liner Quattro AC XB4.9 RGBW 13°	AB389700055
XB.L5.9314100	Liner Quattro AC XB4.9 RGBW 30° × 15°	AB389730055
XB.L5.9317100	Liner Quattro AC XB4.9 RGBW 75° × 40°	AB389760055
XB.L5.9318100	Liner Quattro AC XB4.9 RGBW 60°	AB389770055
XB.L7.9311100	Liner Quattro AC XB4.18 RGBW 13°	AB389780055
XB.L7.9314100	Liner Quattro AC XB4.18 RGBW 30° × 15°	AB389810055
XB.L7.9317100	Liner Quattro AC XB4.18 RGBW 75° × 40°	AB389840055
XB.L7.9318100	Liner Quattro AC XB4.18 RGBW 60°	AB389850055

Accessories

Model No.	Description	Item Code
XB.AC.4000000	Quattro AC XB Data Injector (ETL Lighting / CE IT)	AB389160055
XB.AC.4000100	Quattro AC XB Data Injector (CE Lighting)	AB444880055
XB.AC.2302000	5-pin Field Installable AC Connector Plug IP66	AA438580235
XB.AC.2303000	5-pin Field Installable AC Connector Socket IP66	AA438570235
XB.AC.4006000	3-pin Field Installable AC Connector Socket IP66	AB389040035
XE.ID.0204000	AC XB Interconnection Cable, 5-wire, CE (2m)	AB389130055
XE.ID.0204001	AC XB Interconnection Cable, 5-wire, UL (6.5ft)	AB389120055
XE.ID.0074000	AC XB Interconnection Cable, 5-wire, CE (0.7m)	AB389100055
XE.ID.0074001	AC XB Interconnection Cable, 5-wire, UL (2.33ft)	AB389070055
XE.IF.0104000	AC XB Power Cable, 3-wire, CE (1m)	AB389060055
XE.IF.0104001	AC XB Power Cable, 3-wire, UL (3.25ft)	AB389050055
DE.AC.0100000	RJ45 Male Connector Housing IP67	AA556100155
XB.AC.2304000	5-pin Connector Socket End Cap IP66	AA508870335

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