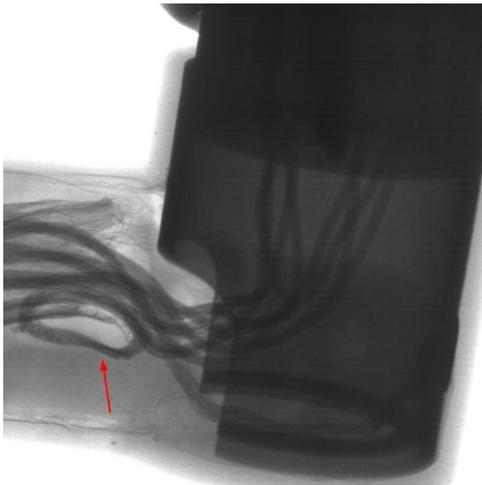


PCN # 2025007		Issued Date 08/26/2025	
PCN Title Amphenol M12 to RJ45 Cat6a cable update.			
Document Version 1.0		Customer Contact Sales@thinklucid.com	
PCN TYPE	<input checked="" type="checkbox"/> Electrical Specification	<input type="checkbox"/> Regulatory or Compliance	
	<input checked="" type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Part Number Change	
	<input type="checkbox"/> Optical Specification	<input type="checkbox"/> End of Life	
	<input type="checkbox"/> Firmware Specification	<input type="checkbox"/> Other	
Affected Part Number(S)			
PART NUMBER		DESCRIPTION	
CAB-MR-2M-A		Amphenol M12-RJ45 CAT6A IP67 Cable 2M	
CAB-MR-5M-A		Amphenol M12-RJ45 CAT6A IP67 Cable 5M	
CAB-MR-15M-A		Amphenol M12-RJ45 CAT6A IP67 Cable 15M	
CAB-MR-5M-RA1-A		Amphenol M12-RJ45 CAT6A IP67 Cable 5M (RA1)	
CAB-MR-5M-RA2-A		Amphenol M12-RJ45 CAT6A IP67 Cable 5M (RA2)	
CAB-MR-5M-RA3-A		Amphenol M12-RJ45 CAT6A IP67 Cable 5M (RA3)	
CAB-MR-5M-RA4-A		Amphenol M12-RJ45 CAT6A IP67 Cable 5M (RA4)	
CAB-MR-15M-RA1-A		Amphenol M12-RJ45 CAT6A IP67 Cable 15M (RA1)	
CAB-MR-15M-RA2-A		Amphenol M12-RJ45 CAT6A IP67 Cable 15M (RA2)	
CAB-MR-15M-RA3-A		Amphenol M12-RJ45 CAT6A IP67 Cable 15M (RA3)	
CAB-MR-15M-RA4-A		Amphenol M12-RJ45 CAT6A IP67 Cable 15M (RA4)	

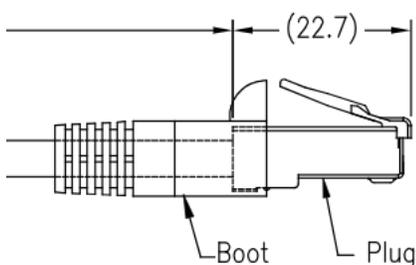
Reason and Description of the Product Change

LUCID has received reports of faulty right-angled M12 to RJ45 Amphenol cables that prevent LUCID 10 GigE cameras from achieving full 10 GigE bandwidth. Upon evaluation, the issue was traced to poor assembly of the right-angled M12 connector. Specifically, the cable gland separating the wire pairs was not implemented, unshielded sections were not minimized, and one pair even formed a loop. These factors likely increase crosstalk and interfere with PHY equalization, leading to performance degradation.

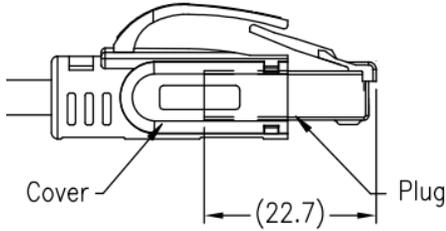


To address the issue, the cable vendor will implement updates to the M12 to RJ45 cables by using a new cable wire and modifying the assembly process for the right-angled M12 connectors. Additionally, extra testing will be implemented to identify cables with defective right-angled M12 connectors. As part of this update, the RJ45 boot design will also be revised.

Previous RJ45 Boot:

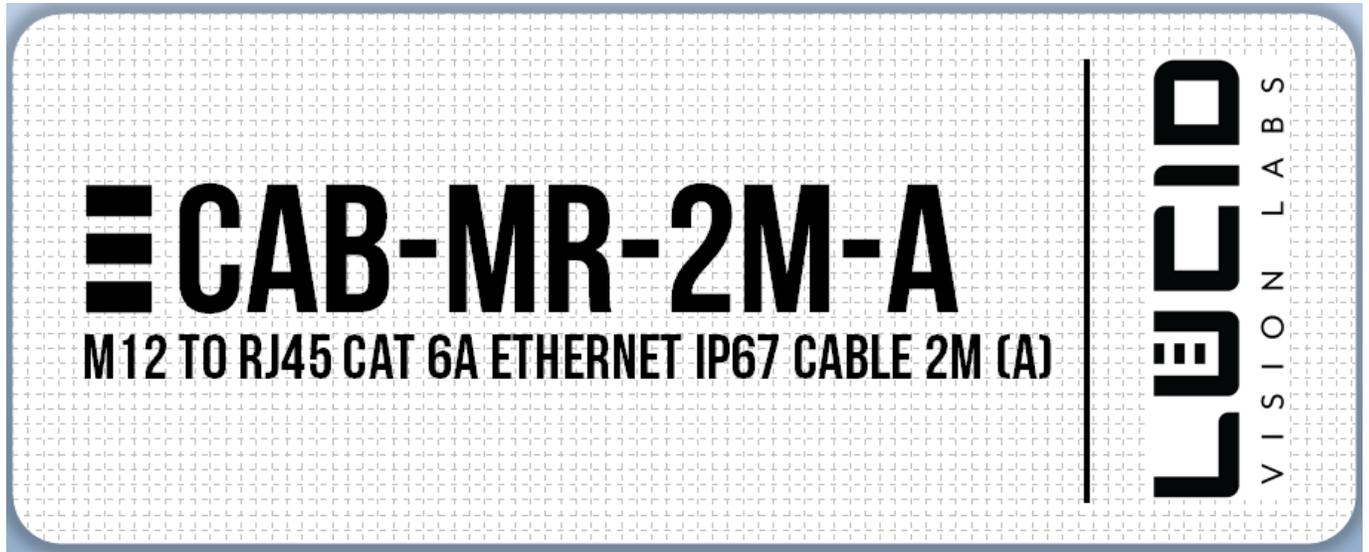


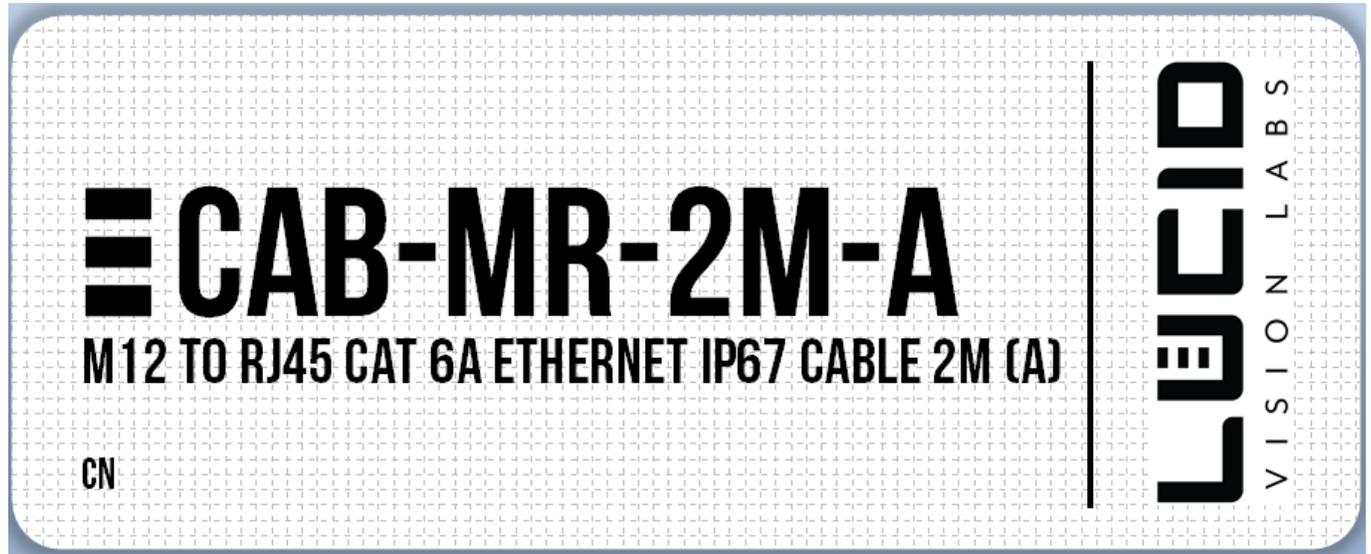
New RJ45 Boot:



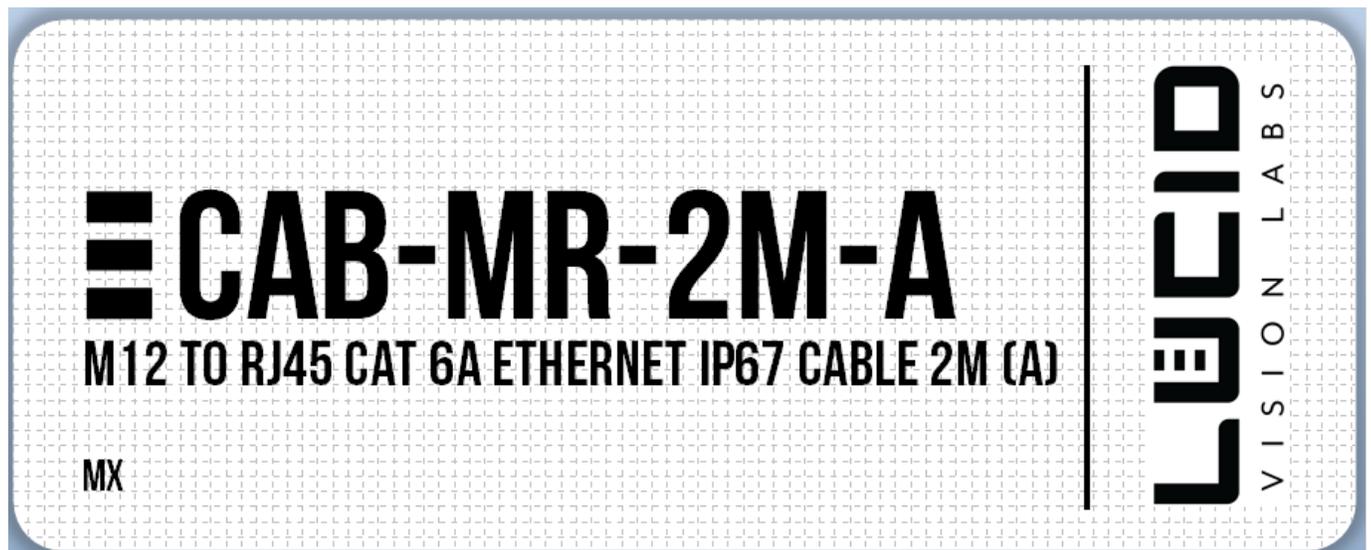
The updated cables will have revised labels to indicate the country of origin of the cable.

Previous Label:



New Labels:

Or

**Recommended Action for Customers**

Please contact Sales@thinklucid.com if you have any questions or concerns regarding the cable update. For customers who are noticing streaming issues when using right-angled M12 to RJ45 cables with 10 GigE cameras, please contact [Support](#) to request for an in-warranty RMA