UL Global Wire and Cable Solution for Robotic Applications

UL is pleased to offer a new service to test and verify the safety and performance of cables used in robotic applications

Reliability of machines using robotic components has increasingly become a major concern due to the growing complexity of the motions used to complete the production and warehousing tasks. However, evaluating the reliability of robotic cables has not followed suit. The cables are often an afterthought in most designs, yet they are a vital part of any well-functioning robot.

Amongst the technical issues experienced by end-product and cable manufacturers, brand owners, suppliers and end users, cable issues, particularly flexing performance of robotic cables, is ranked top for downtime and loss of productivity.

To benefit these key stakeholders, UL has introduced a comprehensive set of solutions to evaluate the testing and reliability of robotic cables. UL can use the customer's specification and conformance criteria to evaluate the performance of the cable for flexing, bending, torsion, chain track (c-track) and other modes of movement in order to meet the specific needs of products or applications.

Service offerings

Type of service	Deliverable	Benefit
Lab assessment	Assessment report and certificate for the assessed lab	Reliable testing from a third-party audited lab
Witnessed testing at lab	Test report	UL confirmation of test results
UL marketing claim verification program	Verification report and listing in UL Verify Web site	Distinctive and credible proof of marketing claim. Use of the Verified mark on product, packaging and promotion
Bundled service with safety and other regulatory requirements	Test report	One-stop shop service
Supply chain management	Test report; Pre-shipment inspection report	Global on-site inspection support. Supply chain traceability

Program Benefits

- Address the growing concern of safety, performance and compliance in the robot and automation industry
- Clear product differentiation in a highly competitive market
- Test program geared to specific applications
- Gain global market acceptance through programs offered by trusted third party laboratory
- Product promotion through the new, UL Verify web site
- Enhance product traceability
- Support customers' global manufacturing and procurement footprint
- Reduce redundant testing, accelerate time-to-market and protect company reputation
- Help ensure compliance and reduce liability and risk to all stakeholders in the supply chain
- Build customer trust and brand equity in a sustainable way

Please reach out to your UL representative via http://industries.ul.com/wire-and-cable/wire-cable-global-contacts for additional information about this service offering.