BELDEN

Automotive Line M12 Sensor Actuator Connector®

M12 Circular PUR Connector with Welding Spark Resistance



PRODUCT BULLETIN 🚞



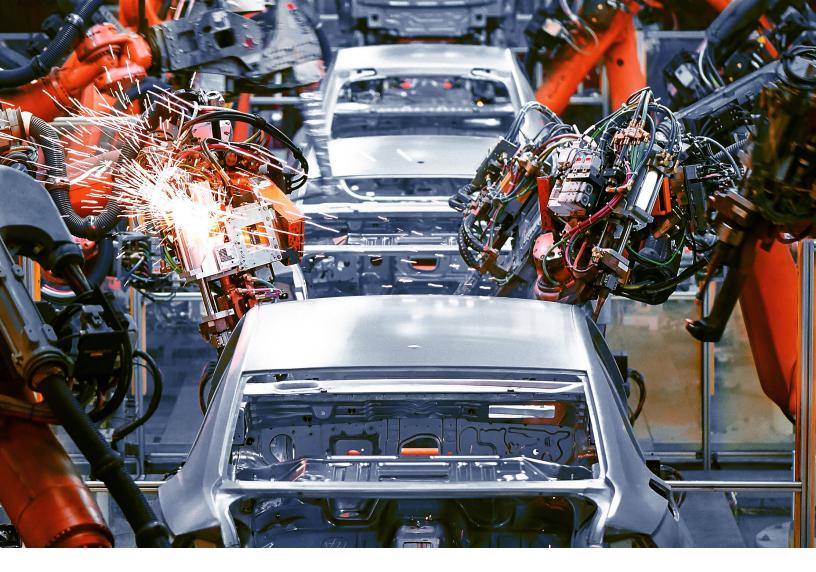
The polyurethane (PUR) Lumberg Automation M12 Sensor Actuator Connector with welding spark resistance promotes safety and supports machine uptime in automotive manufacturing environments

- Increased safety through robust PUR M12 circular connector with enhanced thermal resistance to withstand welding sparks.
- Improved uptime with durable PUR construction that tolerates higher heat and pressure than standard PVC or silicone connectors.
- · Flame retardant and self-extinguishing cable design to prevent application damages.



Key Features

- Halogen-free according to IEC 60754-1, and oil resistant according to IEC 60811:404.
- · Proofed welding spark resistance according to Belden working instruction AA-43-0-0038-DE Revision 02.
- · High signal integrity to ensure reliable signal transmission, which is critical in sensitive applications, like safety.
- Yellow and orange color design to distinguish safety and non-safety applications visually.
- · Versatile use due to extensive variant portfolio - including multiple pin options, space-saving angled variants and connectors with light emitting diode (LED) status indicators.
- Unshielded, overmolded design for enhanced flexibility and simplified installation.
- Shockproof IP67-rated connectors optimized for use in harsh environments.



Your Benefits

In automotive manufacturing environments, welding sparks can disrupt operations, increasing downtime to address costly equipment repairs and putting team members at risk. An industry-leading PUR cable with welding spark resistance, the Lumberg Automation M12 Sensor Actuator Connector solves this problem, unlocking new levels of productivity, safety and uptime. Automotive manufacturers gain the flexibility and ease of installation of PUR connectors, plus additional thermal resistance to prevent spark damage, making the switchover from PVC or silicone connectors a smart business decision.

Applications

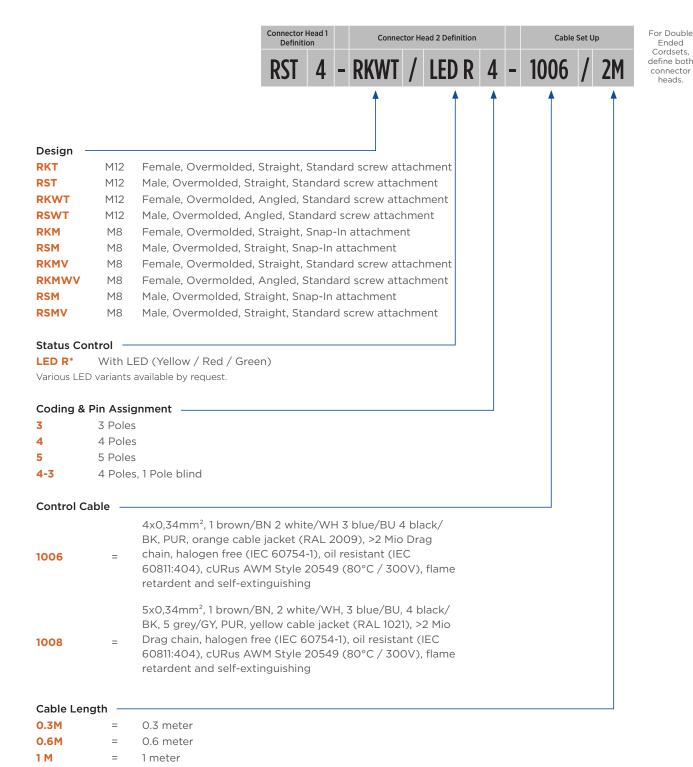
M12 Sensor Actuator Connectors are purpose-built for automotive manufacturing. Constructed of durable PUR, they can withstand high temperatures and are more resilient and wear-resistant than PVC connectors. Additionally, they can resist high water pressure during equipment cleaning, promoting improved machine performance and equipment longevity. With its industry-unique welding spark resistance, M12 Sensor Actuator Connectors satisfy the stringent requirements of floor conveyor systems, pick-and-place, press shops, chassis welding, inspections and other vital automotive manufacturing processes.

Markets

Developed in partnership with world-leading automotive companies, Lumberg Automation M12 Sensor Actuator Connectors meet the stringent requirements of automotive manufacturing. Automotive factories' high reliance on industrial robots heightens the demands on connectors – which must tolerate vibration, flexing, twisting and welding sparks. M12 Sensor Actuator Connectors meet all these demands and feature extensive variants to address many mission-critical automotive use cases.

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Single- or Double Ended Cordsets definition



Ended Cordsets,

*For more information on different LED variants, please reach out to your Belden contact.

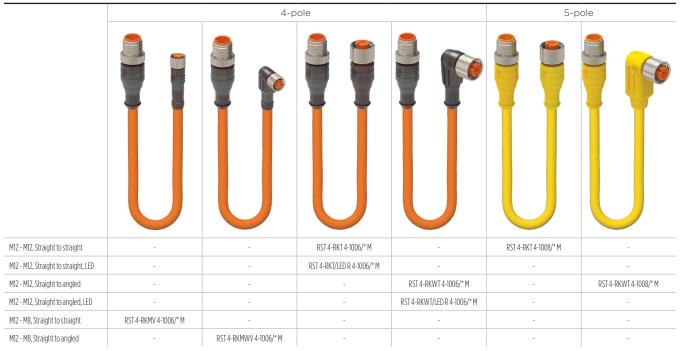
Other cable lengths available.

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Single Ended Cordsets, M12 molded

	4-pole				5-pole			
	Male		Female		Male		Female	
Straight	RST 4-1006/* M	-	RKT 4-1006/* M	-	RST 5-1008/* M	-	RKT 5-1008/* M	-
Straight, LED	-	-	RKT/LED R 4-1006/* M	-	-	-	-	-
Angled	-	RSWT 4-1006/* M	-	RKWT 4-1006/* M	-	RSWT 5-1008/* M	-	RKWT 5-1008/* M
Angeled, LED	-	-	-	RKWT/LED R 4-1006/* M	-	-	-	-

Double Ended Cordsets



Various configurations available by request.

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