THE DATASHEET OF

1552200168

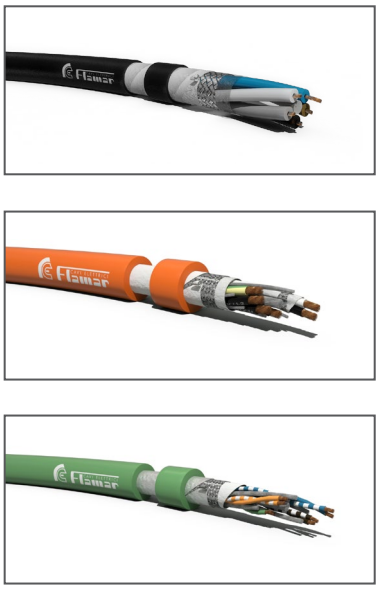
Flamar Standard Cables for Industrial Automation

a molex company

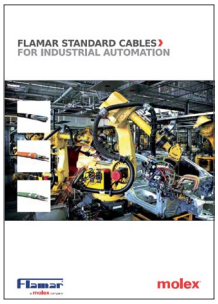
Available in multiple packaging sizes with small minimum order quantities, Flamar provides a complete selection of cables for all industrial automation applications while utilizing in-house design and manufacturing to meet and exceed the most stringent quality requirements at a competitive cost

Features and Benefits

All cables are UL AWM/CSA recognized or UL listed	Delivers a complete selection of cables that adhere to the de-facto reliability standard for industrial automation cables
Several jacket materials available (PVC, WSOR*, PUR and TPE)	Enhances design and application flexibility. Ensures the correct cable for the required application features is available
Cables designed for Flexible or Drag-Chain installation	Solves almost all installation issues
Temperature ranges for multiple applications down to -40°C (-40°F) and up to 105°C (221°F)	Withstands wide temperature range. Delivers operational flexibility
Cross sections range from 0.25mm^2 (AWG 24) to 2.5mm^2 (AWG 14) for Signal & Control, 1.5mm^2 (AWG 16) to 6.0mm^2 (AWG 10) for Servo Motor, and from 0.14mm^2 (AWG 26) to 0.5mm^2 (AWG 20) for Network Cables	Ensures the most common cross sections for industrial automation applications are available in the cable offering
Flame-retardant compliance with UL Vertical Flame Test, UL VW-1, and CSA FT-1 up to CSA FT-4	Ensures safety for out-of-the-cabinet use



Flamar Standard Cables (from top to bottom): Signal & Control, Servo Motor, Network



Flamar standard cables for industrial automation brochure
English 987651-3992
Chinese 987651-4141

Applications

Industrial Automation —

Line and Machine Builders

- Sensors: Brad® M8 and M12 Connectors
- Valves: mPm® DIN Valve Connectors
- Ethernet: Brad® M12 Connectors
- Servo Motors: Brad® M23 Connectors
- Control Cabinets:
  - GWconnect® Heavy Duty Connectors
- Auxiliary Power: Brad® Mini-Change

Industrial Factory Automation

- Material Handling

Non Automotive/Commercial Vehicles

Sensors, valves and control cabinets

Servo Motors

Smart I/O modules

*Weld-Slag and Oil-Resistant

Flamar Standard Cables for Industrial Automation

Flamar® a molex company

Specifications

SIGNAL AND CONTROL

Series	Environment	Installation	Halogen Free	Temperature Rating (Min | Max)		Voltage	Bending Radius	Jacket Material	Shielded	Approval
155210	Standard	Flexible	No	+5°C	+80°C	300V	> 15xOD	PVC	No	UL AWM 2464/CSA
155211									Yes	
155220	Severe	Drag Chain		-25°C		600V	> 7.5xOD	WSOR*	No	UL AWM 21215/CSA
155221									Yes	
155230	Harsh		Yes	-40°C		1000V		PUR	No	UL AWM 21223/CSA
155231									Yes	
155240	Severe		No		+105°C	300V	> 10xOD	TPE	No	UL Listed PLTC
155241									Yes	

SERVO MOTOR

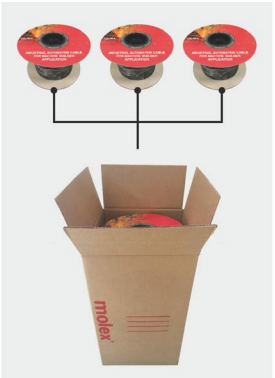
Series	Environment	Installation	Halogen Free	Temperature Rating (Min | Max)		Voltage	Bending Radius	Jacket Material	Shielded	Approval
155311	Standard	Flexible	No	+5°C	+80°C	1000V Power 600V Feedback	> 15xOD	PVC	Yes	UL AWM 2570/CSA
155321	Severe	Drag Chain		-25°C				WSOR*		UL AWM 21939/CSA (Power) UL AWM 21215/CSA (Feedback)
155331	Harsh		Yes	-40°C			> 10xOD	PUR		UL AWM 21223/CSA

NETWORK

Series	Environment	Installation	Halogen Free	Temperature Rating (Min | Max)		Voltage	Bending Radius	Jacket Material	Shielded	Approval
155411	Standard	Flexible	No	+5°C	+60°C (CC-Link) +60°C (PROFIBUS) +70°C (PROFINET) +60°C (EtherNet/IP)	300V	> 15xOD	PVC	Yes	UL AWM 2464/CSA
155421	Severe	Drag Chain		-10°C		600V		WSOR*		UL AWM 21215/CSA
155431	Harsh		Yes	-20°C		300V		PUR		UL AWM 20233/CSA

*Weld-Slag and Oil-Resistant

Packaging Options

Small	Medium	Large
		

www.molex.com/link/flamar

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Optimize Your Supply Chain with WIN SOURCE Solutions

- Global Sourcing Solution
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- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management