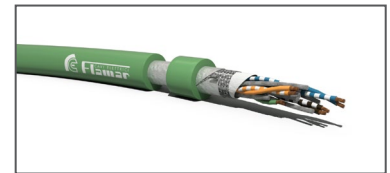# Flamar Standard Cables for Industrial Automation

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 0.25mm² (AWG 24) to 2.5mm² (AWG 14) for Signal & Control, 1.5mm² (AWG 16) to 6.0mm² (AWG 10) for Servo Motor, and from 0.14mm² (AWG 26) to 0.5mm² (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			-25°C		600V	> 7.5xOD	WSOR*	No	UL AWM 21215/CSA
155221									Yes	
155230	Harsh	Drag Chain	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
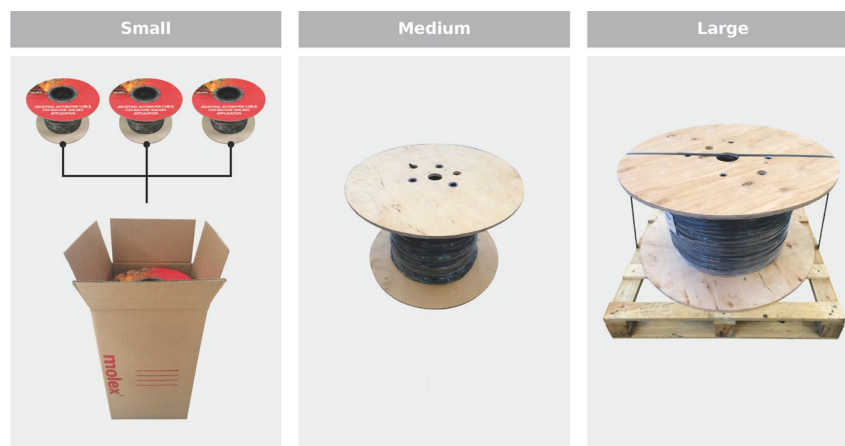
X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Flamar *manufacturer:*

Other Similar products are found below :

155220-0241 (15 Meters) 155421-6001 (5 Meters) 155421-6010 (5 Meters) 155240-0064 (15 Meters) 155220-0139 (15 Meters) 155421-1004 (5 Meters) 155240-0184 (15 Meters) 155240-0184 (5 Meters) 155421-5001 (15 Meters) 155240-0190 (5 Meters) 155220-0064 (5 Meters) 155240-0088 (15 Meters) 155421-6004 (5 Meters) 155421-6004 155421-6001 155421-5001 155421-6004 (15 Meters) 155240-0190 (15 Meters) 155220-0115 155421-6010 (15 Meters) 155421-1004 (15 Meters) 155321-9007 155240-0064 (5 Meters) 155421-6001 (15 Meters) 155240-0184 155240-0190 155321-0001 155220-0139 155220-0253 155221-0025 155421-1004