

# LEONI FieldLink®

**DeviceNet™ cables  
optimised for standard  
applications in the  
automation technology**



**Characteristics:**

- Flame retardant
- Highly flexible
- Permanent installation
- Halogen free
- Silicon free
- Sunlight resistant
- Oil resistant
- Cold resistant
- Trailing cable
- RoHS compliant



## Expanding range of bus cables

Designed with two shielded wire pairs for data transfer plus power supply, these cables meet ODVA standards. The external sheath is available in robust and highly flexible versions depending on the requirements. The flexible installation types feature a PVC or flame-retarding halogen-free (FRNC) external sheath. PUR or PVC sheath material is used for flexible wiring applications. This is suitable for use in mechanical engineering and robotics. Sunlight and oil resistance are two additional features of our DeviceNet cables types.

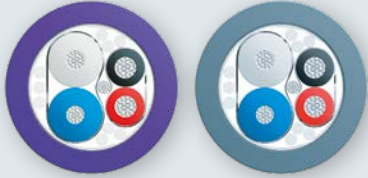

**They are available in the following versions:**

- DeviceNet™ thick cable for permanent installation
- DeviceNet™ thick cable for high-flexible use
- DeviceNet™ thin cable for permanent installation
- DeviceNet™ thin cable for high-flexible use

In North America, DeviceNet has established itself as the leading bus system for automation technology. To live up to the demands of the US market, all DeviceNet cables have American UL approval (file number E119100).

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## Overview DeviceNet™ standard types

		Thick cable		Thin cable	
					
Technical data	Outer Diameter	12.2 mm (0.48 inch)		6.9 mm (0.27 inch)	
	Capacitance	≤ 40 nF/km		≤ 40 nF/km	
	Characteristic impedance	120±12 Ω		120±12 Ω	
	Signal run time	≤ 4.46 ns/m		≤ 4.46 ns/m	
	Operating voltage	300 V		300 V	
	Test voltage	2000 V		2000 V	
	Data pair	Stranded tinned wire	18 AWG (1.0 mm <sup>2</sup> )		24 AWG (0.25 mm <sup>2</sup> )
Insulation		foamed PE		foamed PE	
Conductor-Ident-Code		light blue and white		light blue and white	
Power pair (DC)	Stranded tinned wire	15 AWG (1.5 mm <sup>2</sup> )		22 AWG (0.38 mm <sup>2</sup> )	
	Insulation	PE	PVC	PE	PVC
	Conductor-Ident-Code	red and black		red and black	
Shielding	Drain wire	18 AWG		22 AWG	
	Pair shielding	aluminium with a tinned copper drain wire		aluminium with a tinned copper drain wire	
	Shield braiding	tinned copper wires		tinned copper wires	
Permanent installation	Jacket	FRNC	PVC	FRNC	PVC
	Colour	violet	grey	violet	grey
	Cable weight	189	192	69	67
	Temperature	- 25 °C (- 13 °F) up to + 80 °C (+ 176 °F)	- 20 °C (- 4 °F) up to + 80 °C (+ 176 °F)	- 25 °C (- 13 °F) up to + 80 °C (+ 176 °F)	- 20 °C (- 4 °F) up to + 80 °C (+ 176 °F)
	Min. bending radius multiple / single	repeated 10X ø, single 5X ø	repeated 10X ø, single 5X ø	repeated 10X ø, single 5X ø	repeated 10X ø, single 5X ø
	UL approbation	CMG 75 °C or PLTC	CMG 75 °C or PLTC	CMG 75 °C or CL2	CMG 75 °C or CL2
	Order number	L45467-F21-W6	L45467-F21-W5	L45467-F16-W6	L45467-F16-W5
High flexible use	Jacket	TPU	PVC	TPU	PVC
	Colour	violet	grey	violet	grey
	Cable weight	184	196	67	70
	Temperature	- 40 °C (- 40 °F) up to + 80 °C (+ 176 °F)	- 10 °C (+ 14 °F) up to + 80 °C (+ 176 °F)	- 40 °C (- 40 °F) up to + 80 °C (+ 176 °F)	- 10 °C (+ 14 °F) up to + 80 °C (+ 176 °F)
	Min. bending radius multiple / single	repeated 5X ø, single 2,5X ø	repeated 5X ø, single 2,5X ø	repeated 5X ø, single 2,5X ø	single 2,5X ø
	UL approbation	CMX 75 °C or CL2X	CMG 75 °C or PLTC	CMX 75 °C or CL2X	CMG 75 °C or CL2
	Order number	L45467-F21-W8	L45467-F21-W15	L45467-F16-W8	L45467-F16-W15



Scan to get more information in our product finder.

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