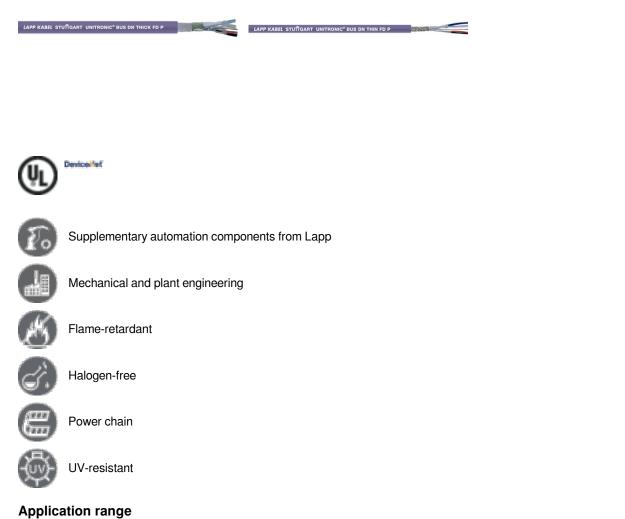


PRODUCT INFORMATION

UNITRONIC® DeviceNet FD THICK+THIN

High flexible DeviceNet Buscable based on the CAN technology

DeviceNet connects sensors, drives and PLCs. Based on technology. UL/CSA-approved. Temperature range from -40 °C bis +80 °C



For highly flexible applications DeviceNet[™] connects industrial devices e.g. limit switches, photoelectric switches, valve islands, motor starters, drives, PLCs, etc.

Product features

Based on proven CAN (Controller Area Network) technology. Permissible cable lengths vary with the data rate and the cable thickness Refer to data sheet for more details PUR (P) Version: Halogene free PVC (Y) Version: Flame retardant (UL FT4) UV-resistant (but colour may change after some time)

Last Update (31.12.2023) ©2023 Lapp Group - Technical changes reserved Product Management www.lappkabel.de You can find the current technical data in the corresponding data sheet. PN 0456 / 02_03.16



PRODUCT INFORMATION

UNITRONIC® DeviceNet FD THICK+THIN

Norm references / Approvals

PUR: UL/CSA-certified (CMX) PVC: UL/CSA CMG 75°C FT4 Sun Res Oil Res, at 2170346 also PLTC

Product Make-up

Core insulation: PE Outer sheath of Polyurethan (PUR) or Polyvinylchlorid (PVC)

Technical Data

Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable
Core identification code:	Data pair: light blue + white Power supply: red + black
Mutual capacitance:	(800 Hz): max. 39.8 nF/km
Peak operating voltage:	300 V (not for power applications)
Conductor resistance:	Thick (loop): max. 45 ohm/km Thin (loop): max. 180 ohm/km
Minimum bending radius:	Fixed installation: 7.5 x outer diameter Flexing: 15 x outer diameter
Test voltage:	Core/core: 2000 V
Characteristic impedance:	120 ohm
Temperature range:	PUR: -40°C to +80°C PVC: -10°C to +80°C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths DeviceNet is a registered trademark of ODVA

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

Last Update	Article number		Number of pairs and AWG size	Outer diameter [mm]	Copper index [kg/km]	Weight [kg/km]	
	PUR						
(31.	2170344	UNITRONIC® BUS DN THICK FD P	1x2xAWG18 + 1x2xAWG15	12.2	94	184	
2023)	2170345	UNITRONIC® BUS DN THIN FD P	1x2xAWG24 + 1x2xAWG22	6.9	33.4	67.7	
	PVC						
	2170346	UNITRONIC® BUS DN THICK FD Y	1x2xAWG18 + 1x2xAWG15	12.2	94	195	
	2170347	UNITRONIC® BUS DN THIN FD Y	1x2xAWG24 + 1x 2xAWG22	6.9	33.4	69.8	

UNITRONIC® DeviceNet FD THICK+THIN

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